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SIMON HYDRO-SEARCH

ENVIRONMENTAL ASSESSMENT REPORT

120th and Peoria Streets
Chicago, Illinois

November 1993

Prepared by:

Simon Hydro-Search, Inc.
3334 Richmond Avenue, Suite #200
Houston, Texas 77098
(713) 520-7667

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Environmental Assessment Report
120th and Peoria Streets
Chicago, Illinois

November 1993

INTRODUCTION

This report documents the results of the environmental assessment recently undertaken at the former plant site ("Site") located at the southwest corner of 120th and Peoria Streets in Chicago, Illinois. The assessment found the following conditions:

1) Two small areas of soil with elevated lead levels near the loading dock and in the parkway area at the site boundary.

2) A small area of TPH containing soils near the loading dock.

3) The piles of debris are non-hazardous demolition materials.

4) There is no evidence that the USTs have leaked.

5) None of the soils at the site have asbestos containing materials as defined by 40 CFR Part 61.

The purpose of the environmental assessment was to investigate the current conditions at the Site with respect to suspect contaminants identified in earlier assessments. The environmental assessment was conducted in accordance with the objectives, procedures, and protocols outlined in the document titled "Proposed Environmental Assessment" and dated July 1993 ("assessment plan"). The assessment plan was submitted to the City of Chicago for review by NL Industries, Inc. ("NL"). In their letter of July 21, 1993, the City of Chicago approved the assessment plan and on August 25 and 26, 1993, the site work was undertaken. Simon Hydro-Search, Inc. ("Simon") prepared the assessment plan on behalf of NL, conducted the on-site site assessment efforts, and prepared this report.

Harza Environmental Services ("Harza") monitored Simon's on-site efforts and collected split samples on behalf of the City of Chicago. Harza's data has not been made available to either NL or Simon.

GENERAL SITE ASSESSMENT

The Site property covers approximately five acres of land on the southwestern corner of the intersection of 120th and Peoria Streets in Chicago, Illinois. The surrounding area has been industrial for many years.

Until 1976, this property was the site of a paint plant operation owned and operated by NL. NL sold the property in 1976, and paint manufacturing operations were continued by a subsequent owner until approximately 1980. Since 1980, most of the Site facilities and structures have been demolished or cleaned up by the Illinois Environmental Protection Agency (IEPA) and the City of Chicago.

The only building structure remaining at the Site is the Mill Building. The Mill Building is located near the center of the property and is adjacent to Peoria Street. At this time, the Mill Building structure consists only of structural steel and concrete, though all three above grade floors remain. The basement entry is blocked by demolition debris and water.

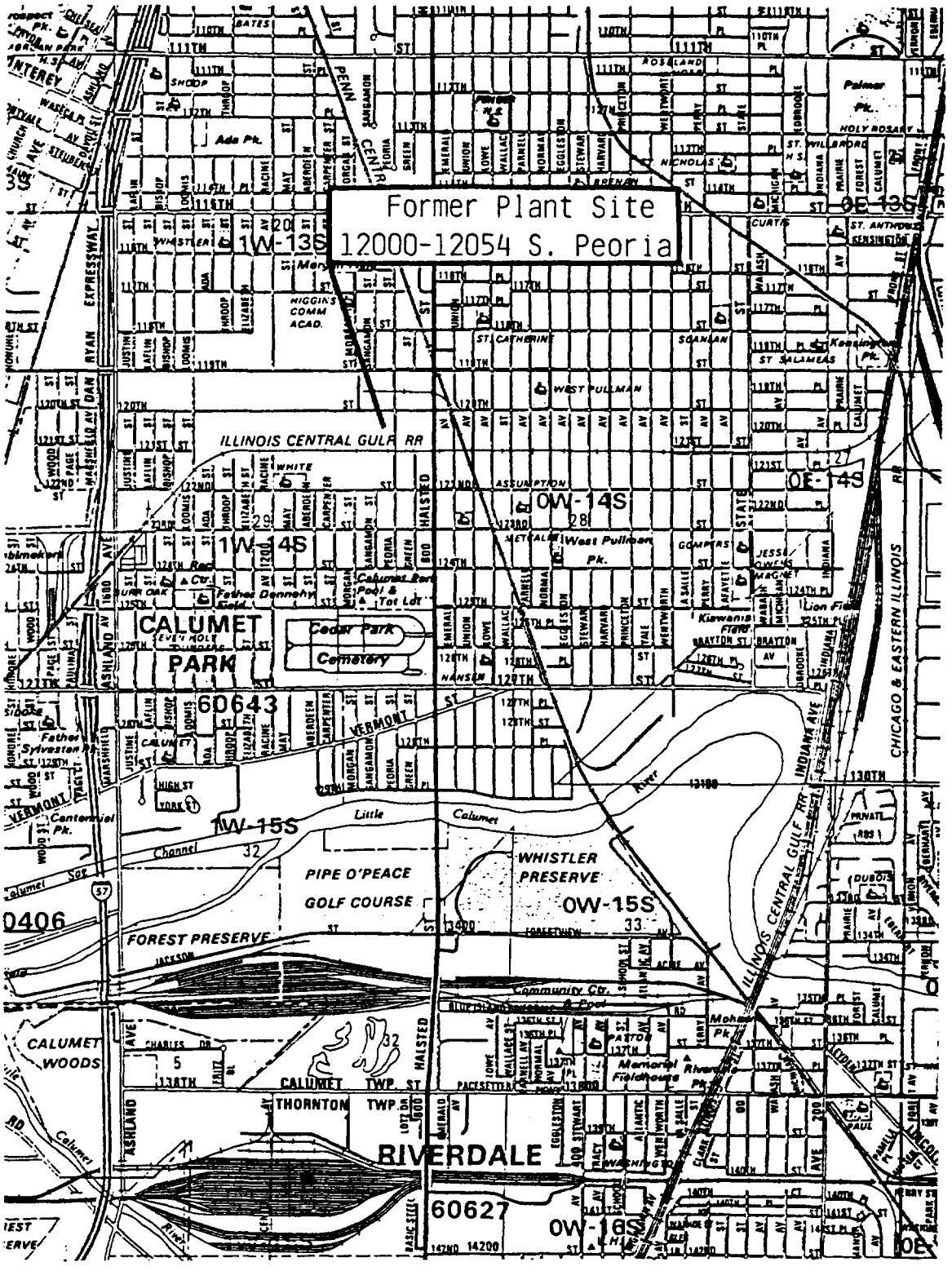
The remainder of the Site is either at surface grade or loading dock level. Approximately 75% of the site property is covered with concrete and another 5% is paved with asphalt. The non-concrete area of the Site, is a narrow strip of site property containing a railroad spur. This strip runs from north to south along the western edge of the property and diagonally across the property to the southeast corner of the Site.

The railroad spur tracks and the underground storage tanks located near the railroad spur along the west property line remain in place. The manways for two of the USTs were accessible. The accessible UST located in the southeast corner of the loading dock was empty. The second accessible UST, located along the western property boundary, was full of water. A sample of the water was collected and examined, and it appeared to be uncontaminated.

On the southern half of the Site are three piles of debris. Each debris pile contains primarily building materials from post 1980 demolition activities. During the past few years the Site has been cleaned of illegally dumped debris and is presently fenced in a manner that prohibits access by vehicles.

At most of the unpaved areas and in the other tank manways, weeds and trees have taken root and thrived. No ground clearing was done for this site assessment.

The location of the Site is shown on the area map attached as Figure 1. The remaining site features are shown on a plot plan of the Site attached as Figure 2. Photographs documenting the general condition of the Site during the assessment are attached in Appendix A.



Scale: 1" = 1/2 Mile

0 1/2 Mile

FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 10/21/93
	DESIGNED:
	CHECKED:
AREA MAP	APPROVED:
	DRAWN: AA
	PROJ.: 747387002.0000
SIMON HYDRO-SEARCH	Figure 1

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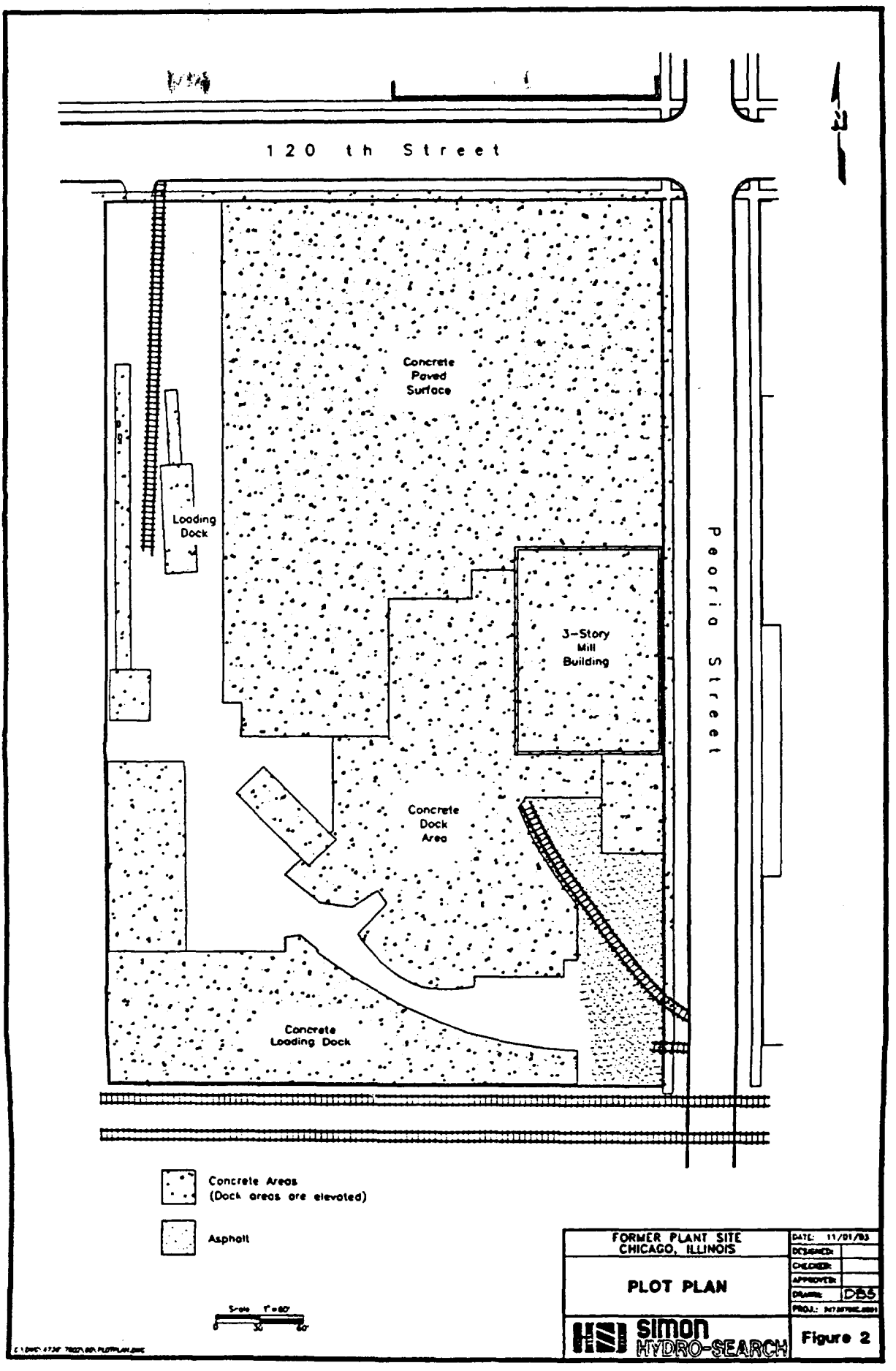


FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 11/01/83 DESIGNED: CHECKED: APPROVED: DRAWN: DBS PROJ.:
PLOT PLAN	
SIMON HYDRO-SEARCH	Figure 2

AREA SPECIFIC ASSESSMENTS

In accordance with the site assessment objectives, this investigation focused on five areas. The following sections include the assessment findings of the five areas and in a sixth area in which additional analyses were performed due to subsurface findings while at the Site.

I. Soil Areas - Lead

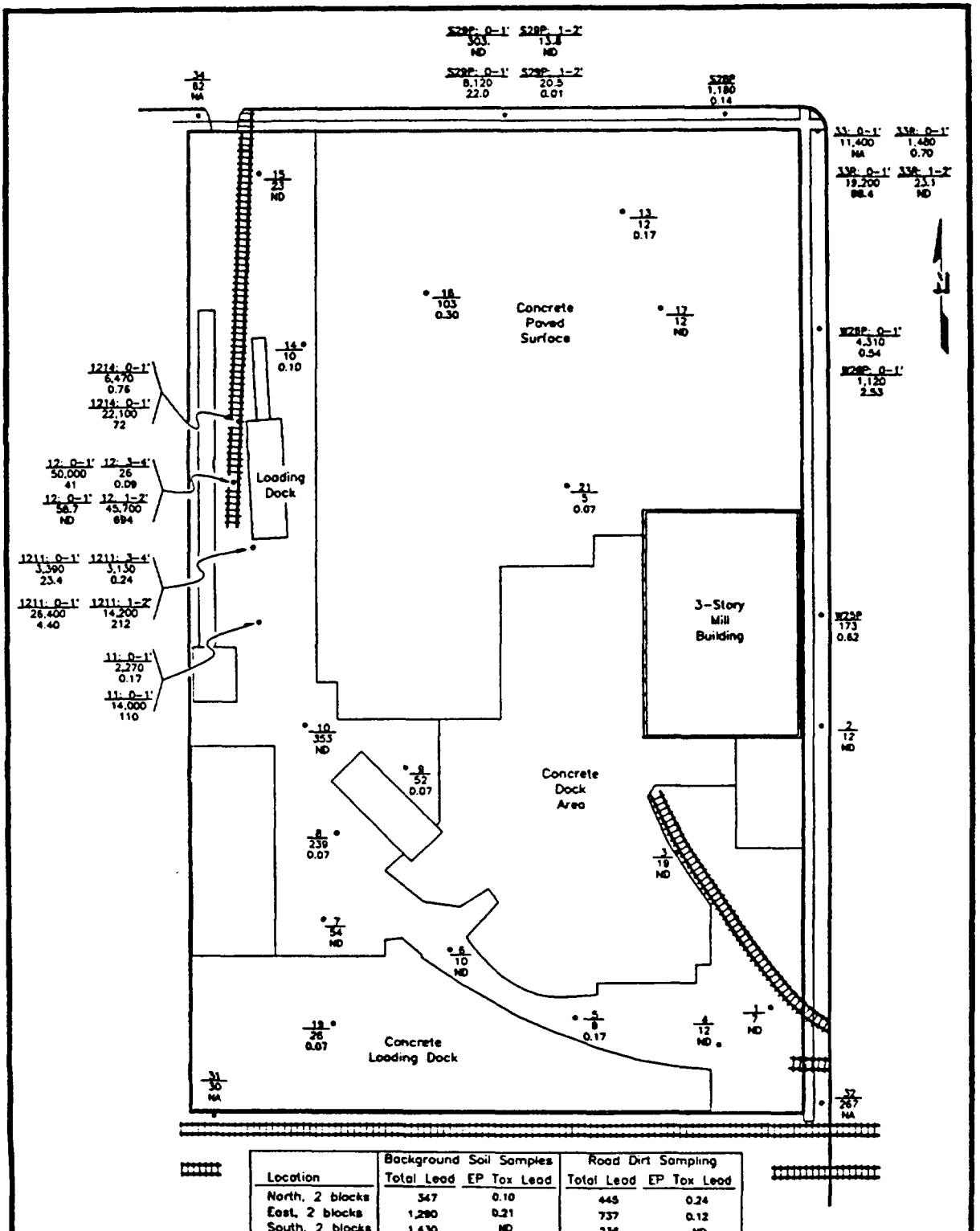
In previous investigation efforts, soil sampling results indicated the soils in localized areas of the Site contained lead at levels elevated compared to background, or contained lead in excess of EPA's EP toxicity lead level. In order to assess the present condition of the Site, these soil areas were re-sampled.

Eleven soil samples were collected from seven on-site locations. Samples from the 0-1 foot interval were collected at all seven locations. Four of the locations were also sampled at the 1-2 foot interval. All of the samples were collected using the Standard Operating Procedures detailed in the assessment plan. All eleven soil samples were analyzed for Total and TCLP Lead using EPA methods and protocols.

The results indicate there are elevated levels of lead remaining in the soils at two relatively small areas of the Site. One area is at the loading dock/railroad spur near the west property line. Another area is the narrow strip of parkway outside the northeast corner of the Site and adjacent to Peoria Street. Soils in a third area, the north parkway, were also sampled. The results indicate there is no cause for concern at this area. The results are summarized as follows:

Site Area	Sampling Location	Sampling Interval	Total Lead mg/kg (ppm)	TCLP Lead mg/L (ppm)
Western Loading Dock Area	1214:	0-1'	22,100.	72.0
	12:	0-1'	58.7	<0.08
		1-2'	45,700.	694.
	1211:	0-1'	26,400.	4.40
		1-2'	14,200.	212.
	11:	0-1'	14,000.	110.
Northeast Parkway Area	W26P:	0-1'	1,120.	2.53
	33R:	0-1'	19,200.	98.4
		1-2'	23.1	<0.08
North Parkway Area	S29P:	0-1'	303.	<0.08
		1-2'	13.8	<0.08

The analytical results and sampling locations, in addition to the historical analytical results and sampling locations, are shown on the plot plan attached as Figure 3. Note that the background lead levels are included in the legend at the bottom of Figure 3. Copies of the laboratory certified analytical reports and chain of custody records for the August 1993 sampling are attached in Appendix B.



Location	Background Soil Samples		Road Dirt Sampling	
	Total Lead	EP Tox Lead	Total Lead	EP Tox Lead
North, 2 blocks	347	0.10	445	0.24
East, 2 blocks	1,280	0.21	737	0.12
South, 2 blocks	1,430	ND	236	ND

Sample Number: Sample Depth
Total Lead, mg/kg (ppm)
EP Tox or TCLP Lead, mg/l (ppm)

NA – Not Analyzed
ND – Not Detected

All samples taken from the depth interval 0–1' unless otherwise noted.

Results reported in red –– 1993 sampling.
Results reported in black –– historical sampling.

Scale: 1"=40'

FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 10/27/93
LEAD SAMPLING RESULTS	DESIGNED:
	CHECKED:
	APPROVED:
	DRAWN: DBS
	PROJ.:

II. Soil Areas - Asbestos

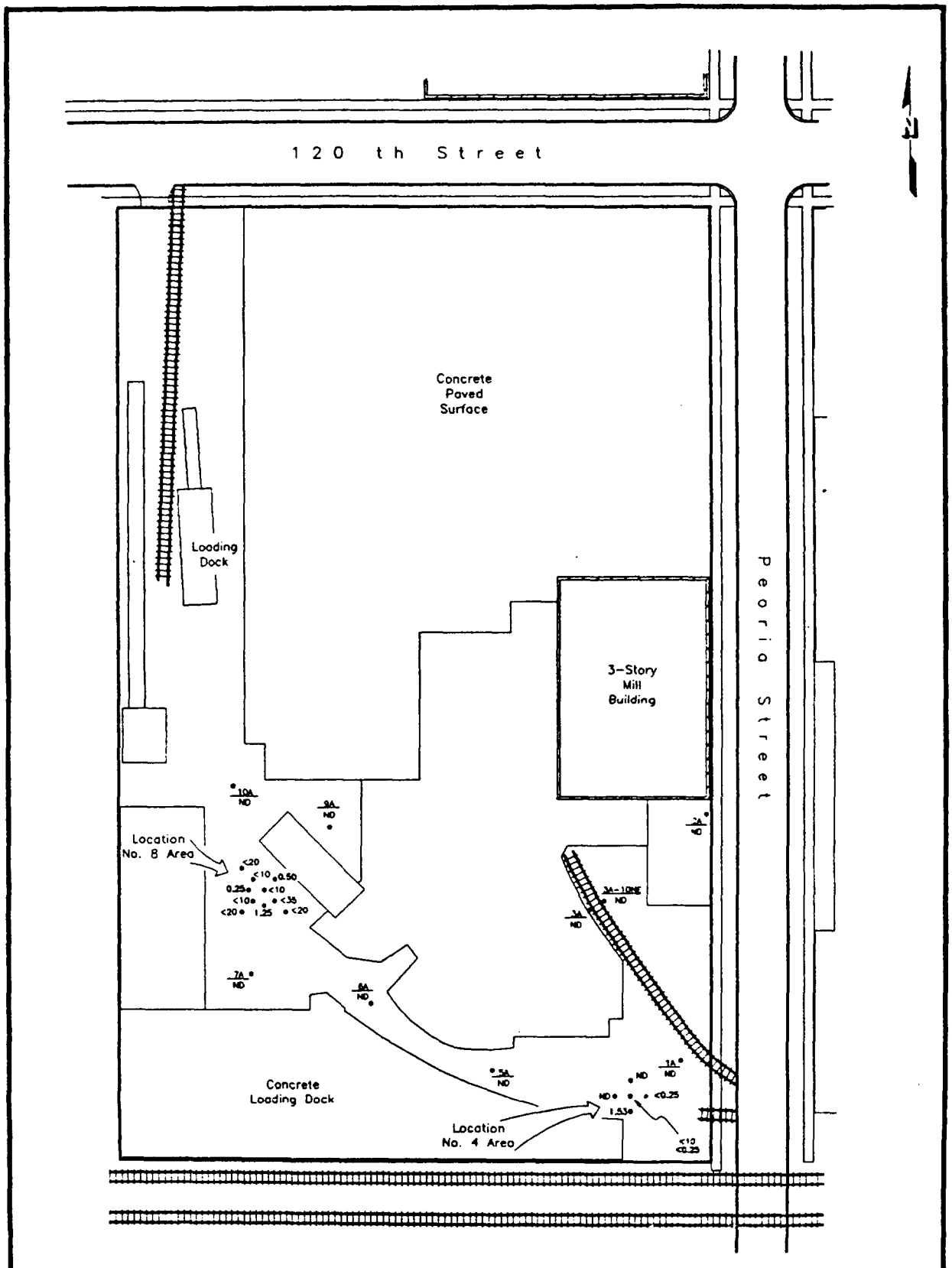
In previous investigation efforts, soil samples collected in two areas (around sample points 4 and 8) of the Site were found to contain asbestos containing materials. Subsequent site activities by the City of Chicago resulted in the removal of the debris from the areas of sample points 4 and 8. In order to assess the current condition, samples were again collected at these areas.

Three soil samples were collected from each of the two areas. All six samples were collected by scraping surface soils. In each area, the three samples were collected around and within 10 feet of the designated sampling location. All six soil samples were analyzed for asbestos using polarized light microscopy (PLM) supplemented with point counting techniques.

The results of the sample analyses are summarized in the table below. Materials containing more than 1% asbestos are considered asbestos containing materials. Since the average of the samples representing each area is less than 1% asbestos, these soil areas are not of further concern.

Site Area	Sampling Location	% Asbestos
Location No. 8 Area	10' Northeast	0.50
	10' West	0.25
	10' South	1.25
	Average	0.67
Location No. 4 Area	10' East	<0.25
	Center	<0.25
	10' South	1.53
	Average	≤0.68

The analytical results and sampling locations, in addition to the historical analytical results and sampling locations, are shown on the plot plan attached as Figure 4. Copies of the laboratory certified analytical reports and chain of custody records are attached in Appendix C.



Sample Number
Asbestos, %

ND – Not Detected

Results reported in red -- 1993 sampling.
Results reported in black -- historical sampling.

At locations No. 4 and No. 8 only data is shown.

Scale: 1"=60'
0 30' 60'

FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 10/28/93
ASBESTOS SAMPLING RESULTS	DESIGNED:
	CHECKED:
	APPROVED:
	DRAWN: DBS
	PROJ.: 747347002.0000
HSI SIMON HYDRO-SEARCH	Figure 4

III. Debris Piles

Three piles of demolition debris remain on the southern half of the Site. Without disturbing the piles, the contents of each of the debris piles were inspected, identified, assessed and the volume estimated.

One debris pile is located south of the Mill Building. This pile is comprised mostly of brick and mortar debris, although the materials on the top are the charred remains of illegal dumping debris. The maximum height of the materials is four feet and the total volume is estimated to be 250 cubic yards.

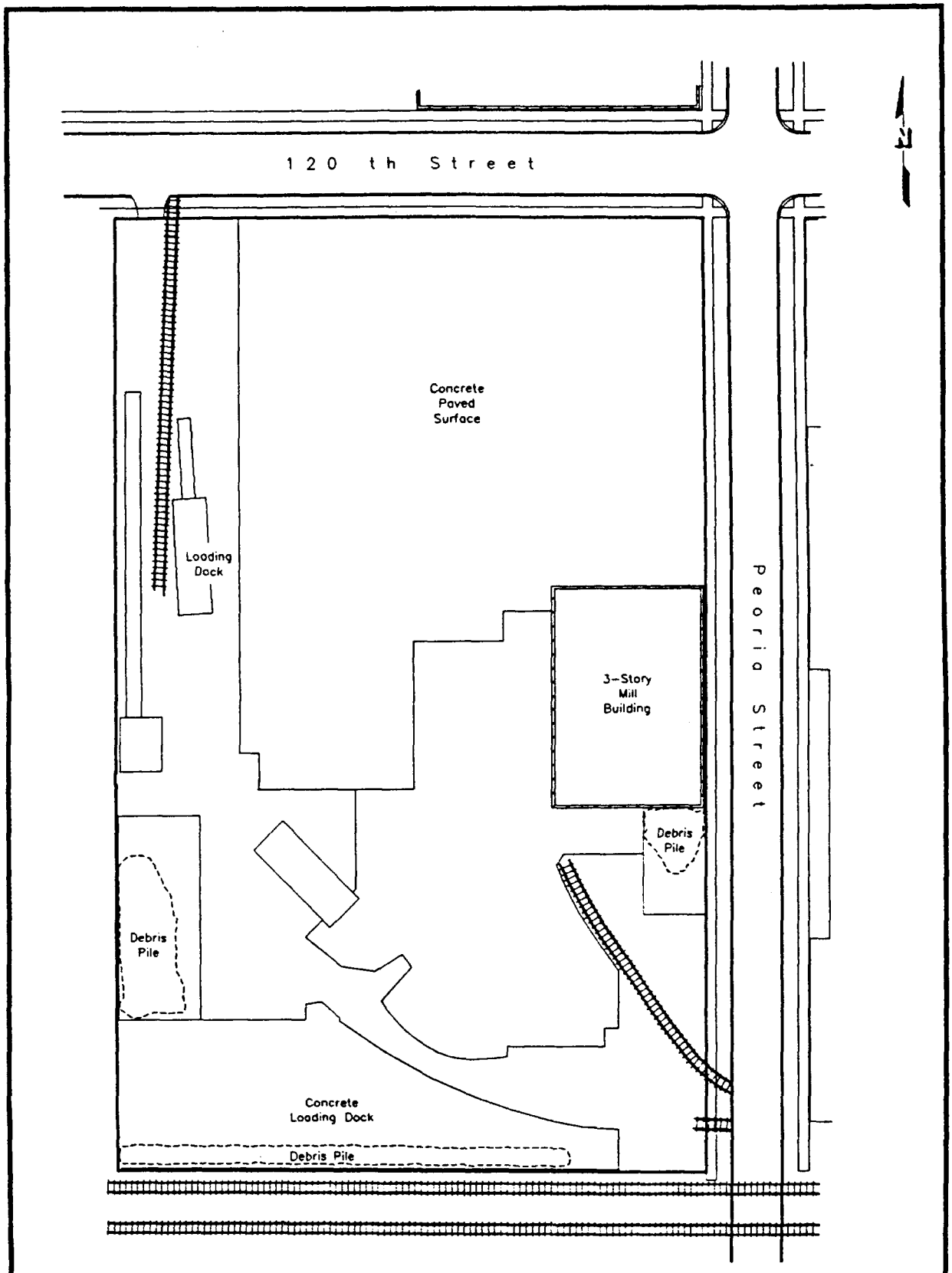
A second debris pile is located at the west property line in the southern half of the Site. This pile also contains building demolition debris, primarily in the form of large pieces of concrete. The maximum height of the pile is estimated to be seven feet and the total volume of materials is estimated to be 700 cubic yards.

The third debris pile is spread along the loading dock at the south end of the Site. This pile contains brick and mortar debris. The maximum height of the waste in this pile is one foot, the strip is approximately 10 feet wide, and the pile contains an estimated 50 cubic yards of material.

Each debris pile is relatively uniform in material type. Only non-putrescible demolition debris, of the type typically disposed at landfills by construction and/or demolition contractors, was observed.

There was no evidence of either process equipment, insulating materials, chemicals, or other suspect residues in the three debris piles. In accordance with the assessment plan, the materials comprising the debris piles were not sampled for analysis.

The locations of the debris piles are shown on the plot plan attached as Figure 5. Photographs of the debris piles are attached in Appendix D.



FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 11/03/93
	DESIGNED:
	CHECKED:
DEBRIS PILES	APPROVED:
	DRAWN: DBS
	PROJ.:
simon HYDRO-SEARCH	Figure 5

IV. Building Materials in the Mill Building

Each floor of the Mill Building structure was inspected for materials and debris remaining that might contain asbestos or lead. Access to the above grade floors was facilitated by a hydraulic lift set up in the street. Access to the basement was limited due to the debris and level of water at the entry way.

There was no evidence of process equipment or dust piles suspected of containing lead on any of the building floors. However, in limited areas, as described below, building materials suspected of containing asbestos were observed.

In a crawl space adjacent to the basement, two pipe insulation materials were sampled and analyzed for asbestos content. Both pipe insulation samples were found to contain asbestos, though only the fabric casing of one was asbestos containing. The amount of pipe insulation observed was less than 10 linear feet.

On the first level, a piece of pipe insulation remains on piping mounted to the ceiling. Due to its location, the pipe insulation could not be reached for sampling. The insulation's appearance indicates it may be an asbestos containing material. The diameter of the insulation is approximately eight inches and the length is estimated at less than 10 feet.

On the second level, four materials were sampled and analyzed for asbestos content. Only one of the materials (vinyl floor tiles) was found to contain asbestos. The floor tiles are installed in a small room and cover an area estimated to be less than 200 square feet in size.

The other materials sampled were found to not be asbestos containing. No suspect materials were observed and no samples were collected on the third level. The descriptions of all of the samples collected and the analytical results are summarized as follows:

Sample Identification/Description		% Asbestos
Second Floor:	Wallboard in Small Room	ND
	Floor Tile in Small Room	7
	Pipe Insulation	ND
	Wallboard/Divider	ND
Basement:	Pipe Insulation #1	ND
	Fabric Jacket (from #1)	40
	Pipe Insulation #2	30

ND: Not Detected

Photographs of the materials found to be asbestos containing are attached in Appendix E. Copies of the laboratory certified analytical results and chain of custody records are also attached in Appendix E.

V. Water in the Mill Building Basement

As outlined in the assessment plan, the water in the Mill Building basement was sampled for analytical characterization. Samples were collected from the water surface at the basement entry way. The samples were collected according to the Standard Operating Procedures detailed in the assessment plan. The preserved samples were analyzed for Asbestos, Cyanides, TCL Volatiles, TCL Semi-Volatiles, and TAL Metals.

Based on the analytical results, the water quality satisfies the requirements of the Metropolitan Water Reclamation District for discharge to the sewer system without pretreatment. At this time, the amount of the water in the basement is not known since debris at the basement entryway prohibited entry and inspection.

The analytical results of the water samples are summarized as follows:

Analyte		Levels Detected mg/L (ppm)
Asbestos		ND
Cyanide		0.004
All Method 8240 Volatiles		ND
All Method 8270 Semi-Volatiles		ND
Metals:	Aluminum	0.27
	Calcium	38.
	Iron	0.944
	Lead	0.104
	Magnesium	48.
	Manganese	0.088
	Mercury	0.0002
	Potassium	29.
	Sodium	71.
	Zinc	0.023
	All Other Metals	ND

ND: Not Detected

A photograph of the Mill Building basement entryway, where the water samples were collected, is attached in Appendix F. Copies of the laboratory certified analytical results and chain of custody records are also attached in Appendix F.

VI. Other Soil Sample Analysis

While collecting soil samples at the locations selected for lead analysis, two samples were found to have hydrocarbon odors.

Both soil samples were collected in the soil area at the western end of the property along the railroad tracks. Both samples were collected in the depth interval 1-2 feet below surface grade and were analyzed for Total Petroleum Hydrocarbons (TPH) using EPA Method 418.1 and Volatile Organic Compounds (VOCs) using EPA Method 8240.

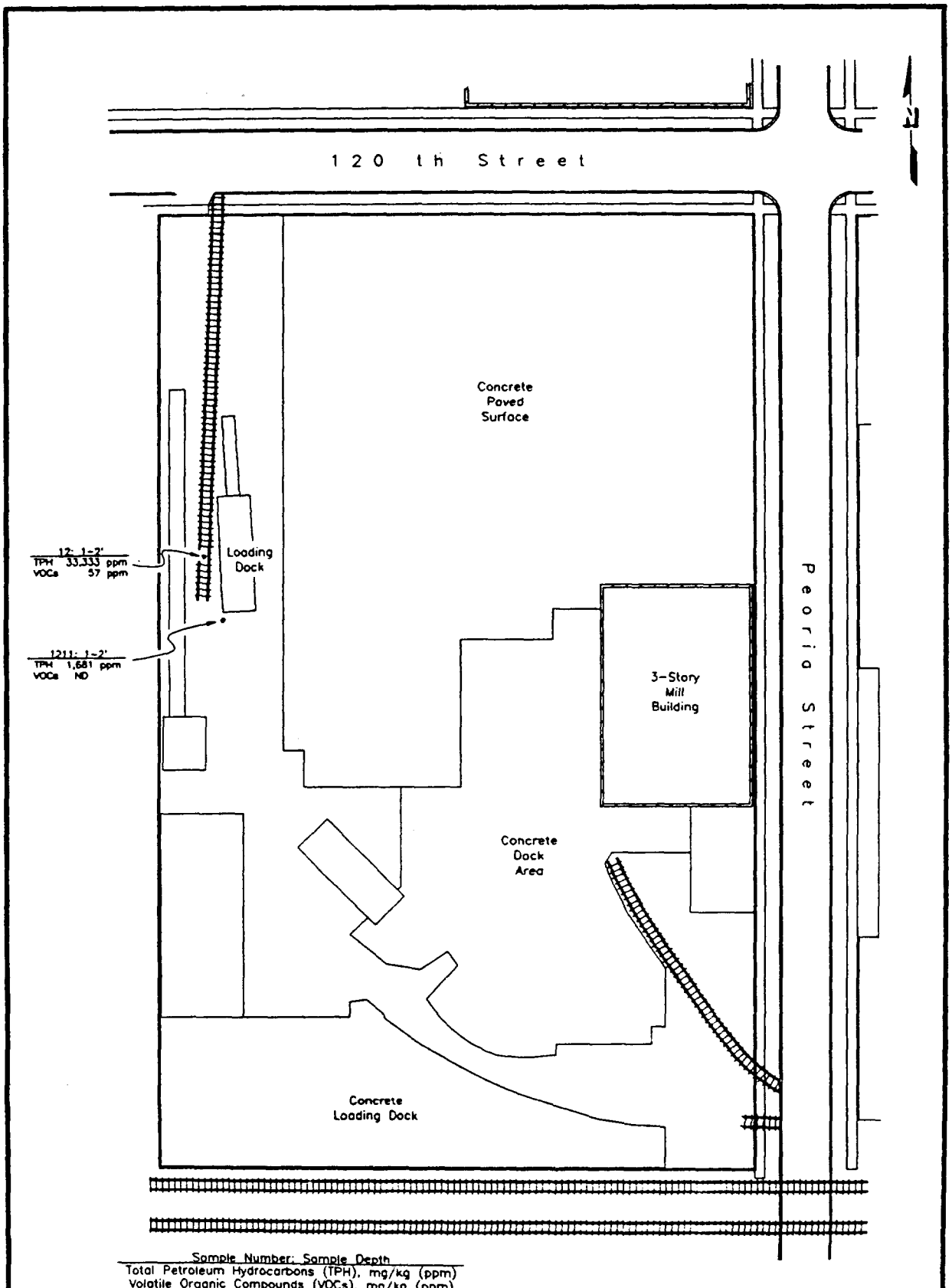
TPH was detected in both samples. VOCs were detected at low levels in one of the samples. Both samples are believed to be of the same materials as those found in 1987 in this area of the site. Due to the shallow depth of these samples, these analytical results suggest surface spillage rather than tank leaks.

The analytical results are summarized as follows:

Analyte	Location No. 12 Level Detected mg/kg (ppm)	Location No. 1211 Level Detected mg/kg (ppm)
Petroleum Hydrocarbons (TPH)	33,333.	1,681.
Ethyl Benzene	23.	ND
Methylene Chloride	3.	ND
Xylenes, Total	31.	ND
All Other Method 8240 Volatiles	ND	ND

ND: Not Detected

The sampling locations and analytical results are summarized on a plot plan attached as Figure 6. Copies of the laboratory certified analytical results and chain of custody records are attached in Appendix G.



Sample Number: Sample Depth
Total Petroleum Hydrocarbons (TPH), mg/kg (ppm)
Volatile Organic Compounds (VOCs), mg/kg (ppm)

ND – Not Detected

Results reported in red –– 1993 sampling.

Scale: 1"=60'
0 30' 60'

FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 11/03/93 DESIGNED: CHECKED: APPROVED: DRAWN: DBS PROJ.:
ORGANICS IN SOILS	
SIMON HYDRO-SEARCH	Figure 6

ENVIRONMENTAL ASSESSMENT SUMMARY

The following statements summarize the environmental assessment findings:

- There are two relatively small on-site areas where the soils contain elevated levels of lead. One area is in the parkway area located northeast of the Site, adjacent to Peoria Street. The second is in the vicinity of the loading dock near the west property line.

- The soil areas sampled and analyzed for asbestos average less than 1% asbestos and are not of concern.

- Some small amounts of materials remaining in the Mill Building contain asbestos. Samples of the vinyl floor tiles on the second floor and pipe insulation in the basement were found to contain asbestos. There are less than 200 square feet of floor tiles.

- The water in the basement can be discharged to the sewer system without pretreatment.

- The debris piles remaining on-site appear to be only construction materials from post 1980 demolition activities.

- There is no evidence that any of the UST systems installed along the west side of the Site have leaked.

- An area of soils containing TPH is present in the vicinity of the loading dock near the west property line.

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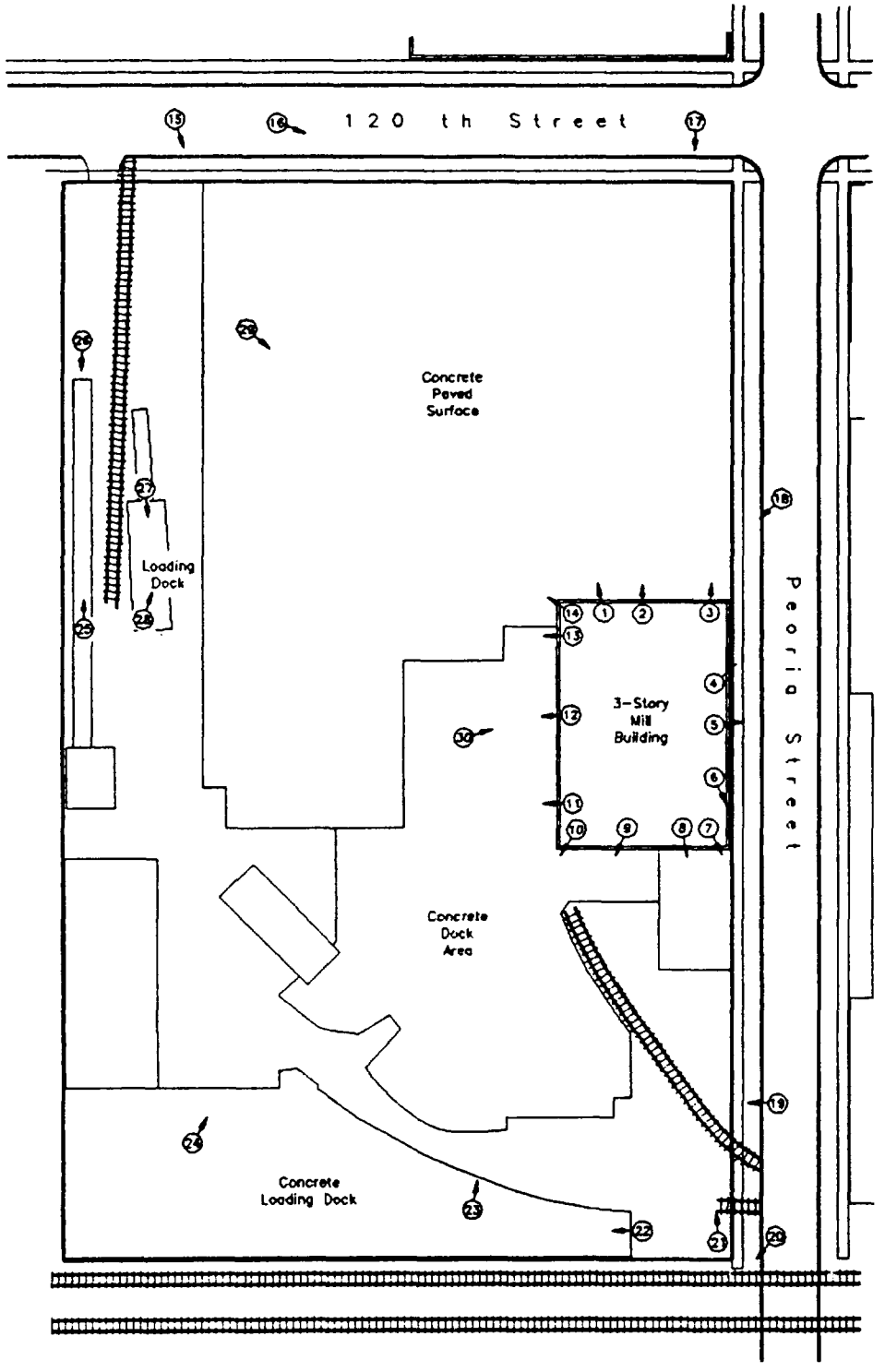
APPENDIX A

Site Photographs



FORMER PLANT SITE CHICAGO, ILLINOIS	DATE: 10/21/93
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	CHECKED:
PHOTOGRAPH LOCATIONS	APPROVED:
	DRAWN: DBS
	PROJ.: 747367002.0000
SIMON HYDRO-SEARCH	Figure A

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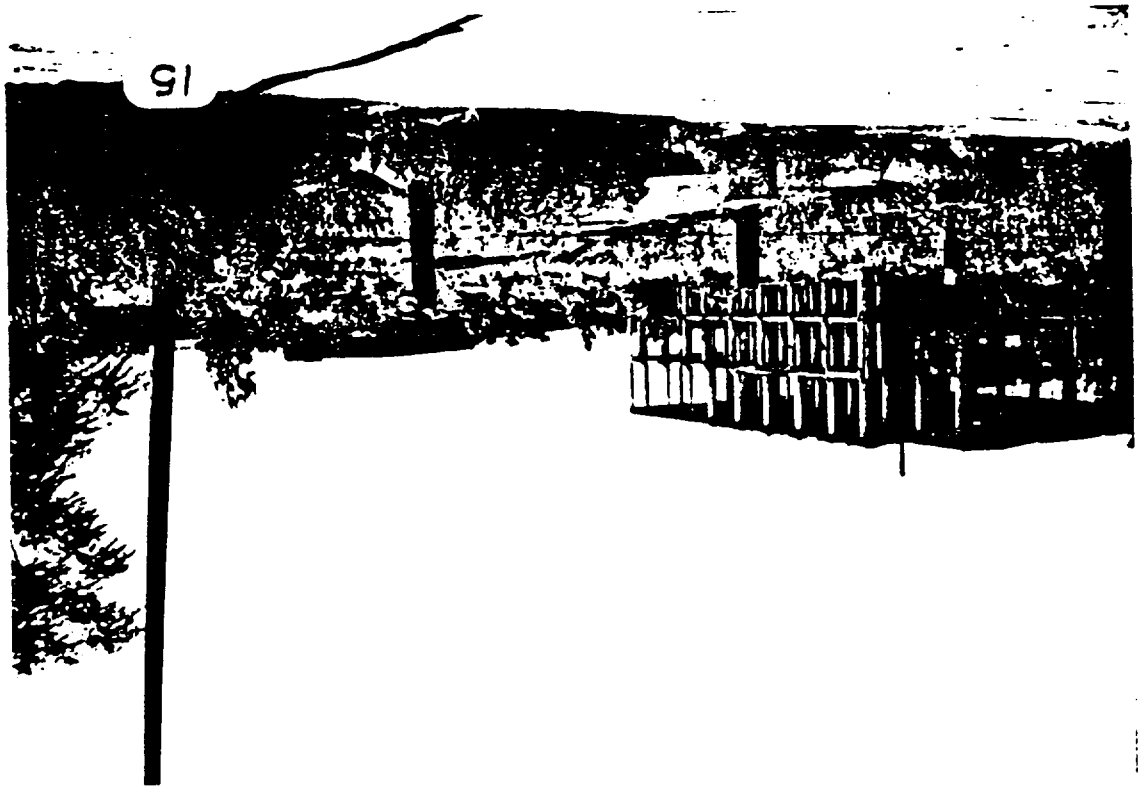
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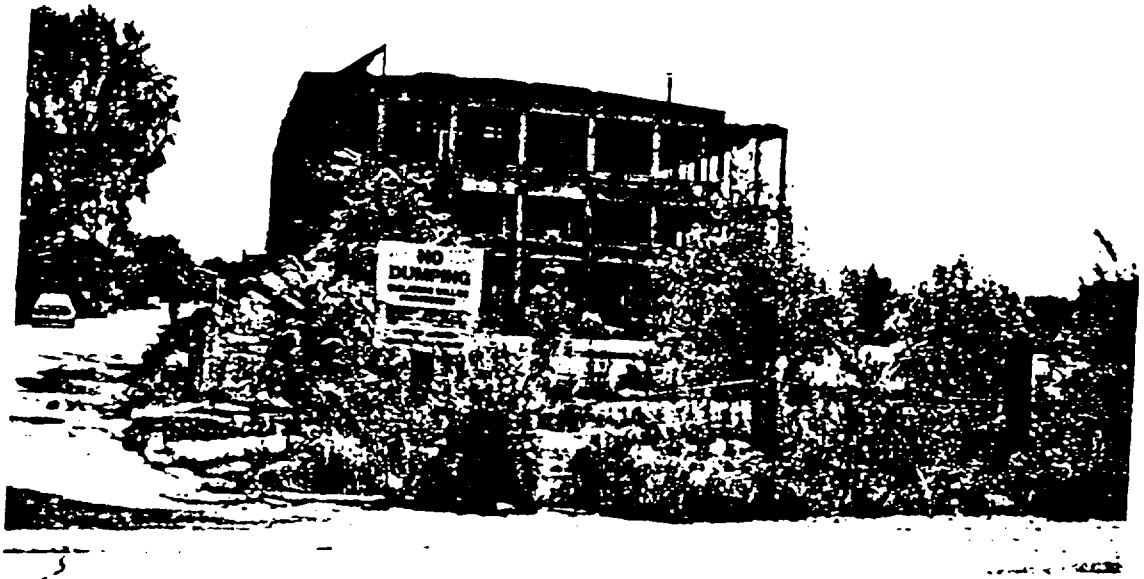

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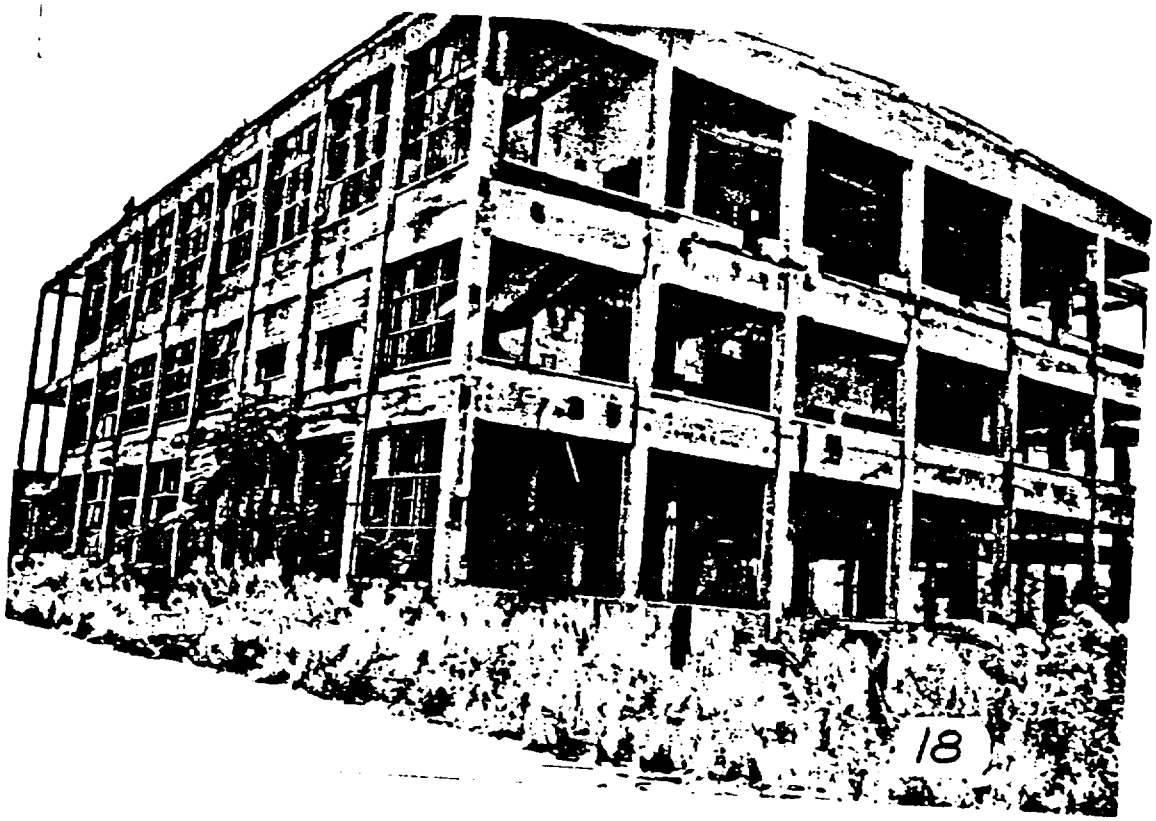

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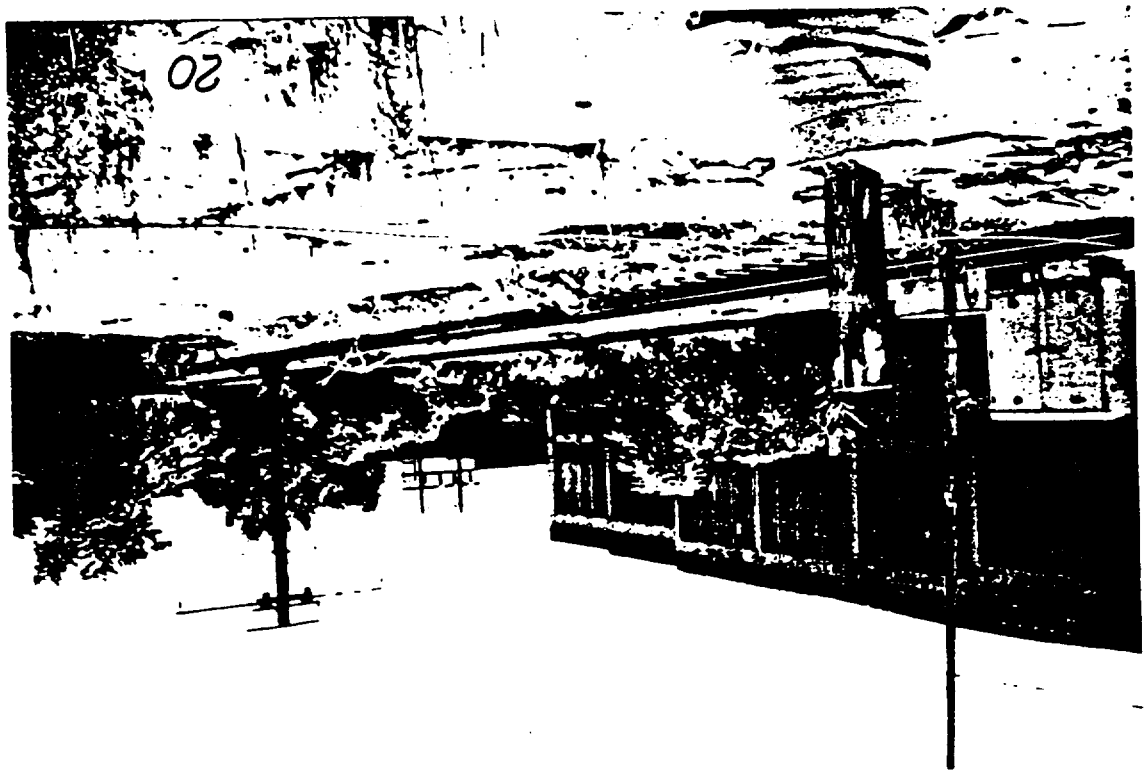
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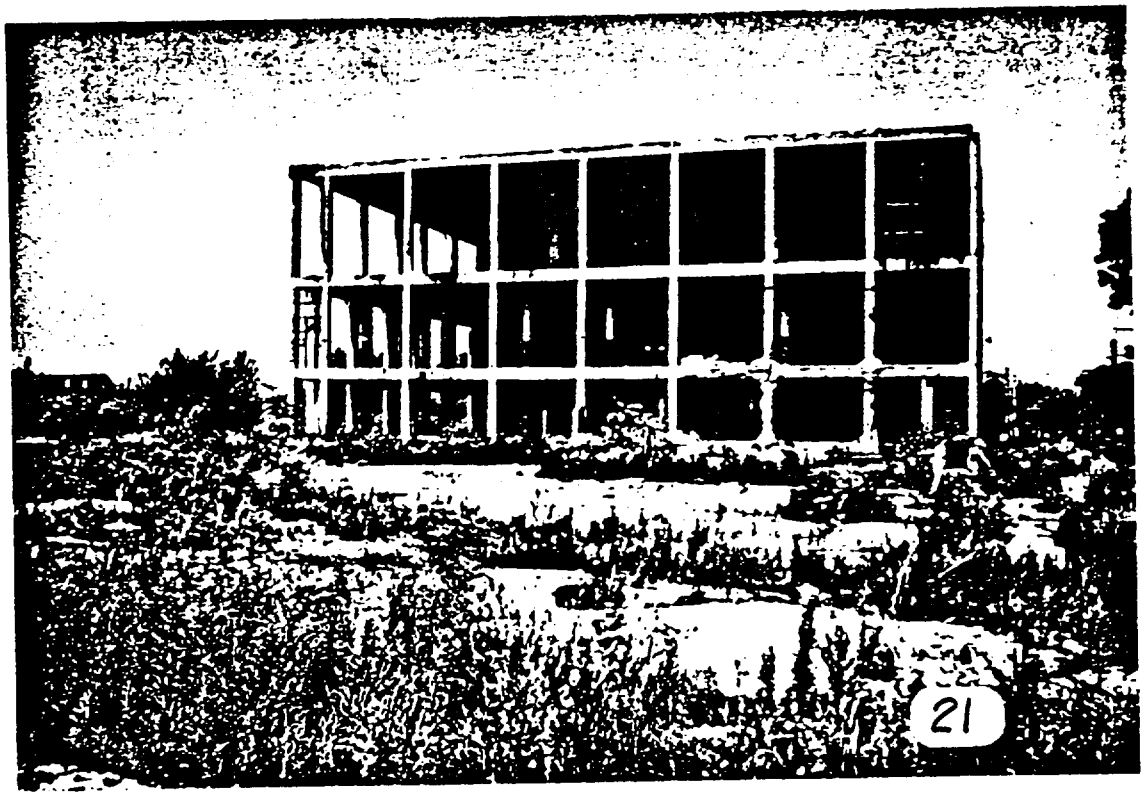
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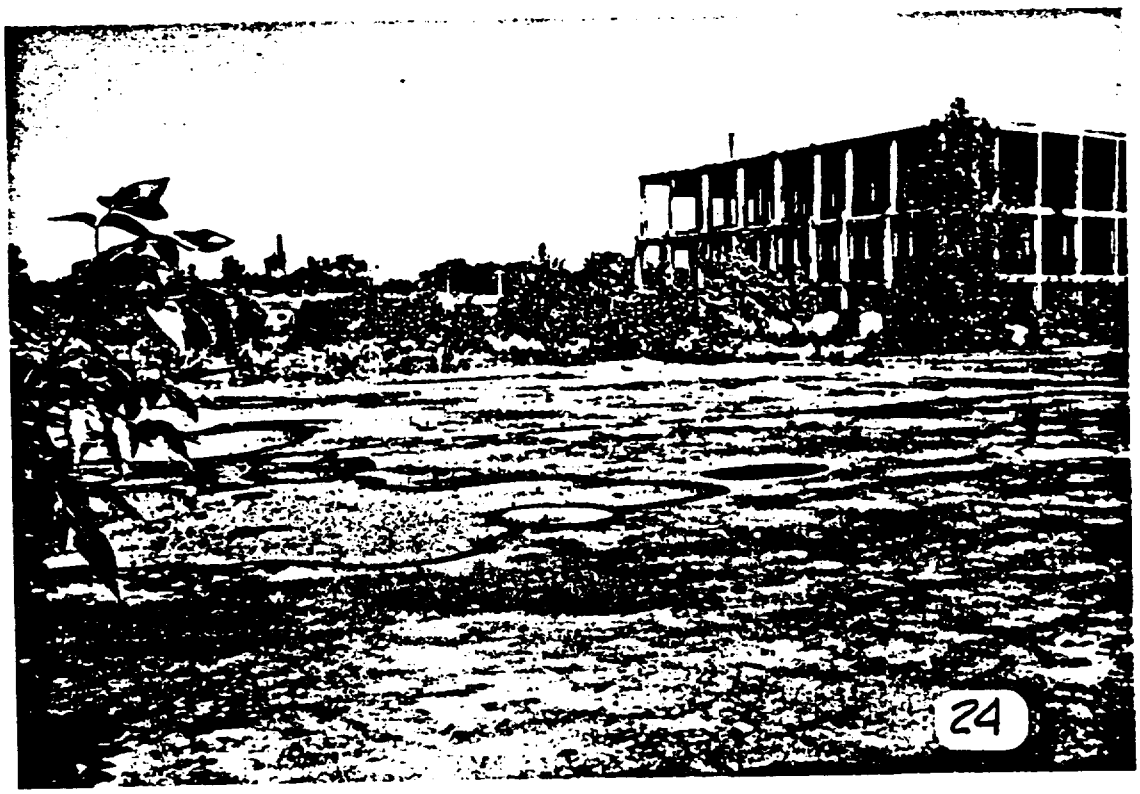
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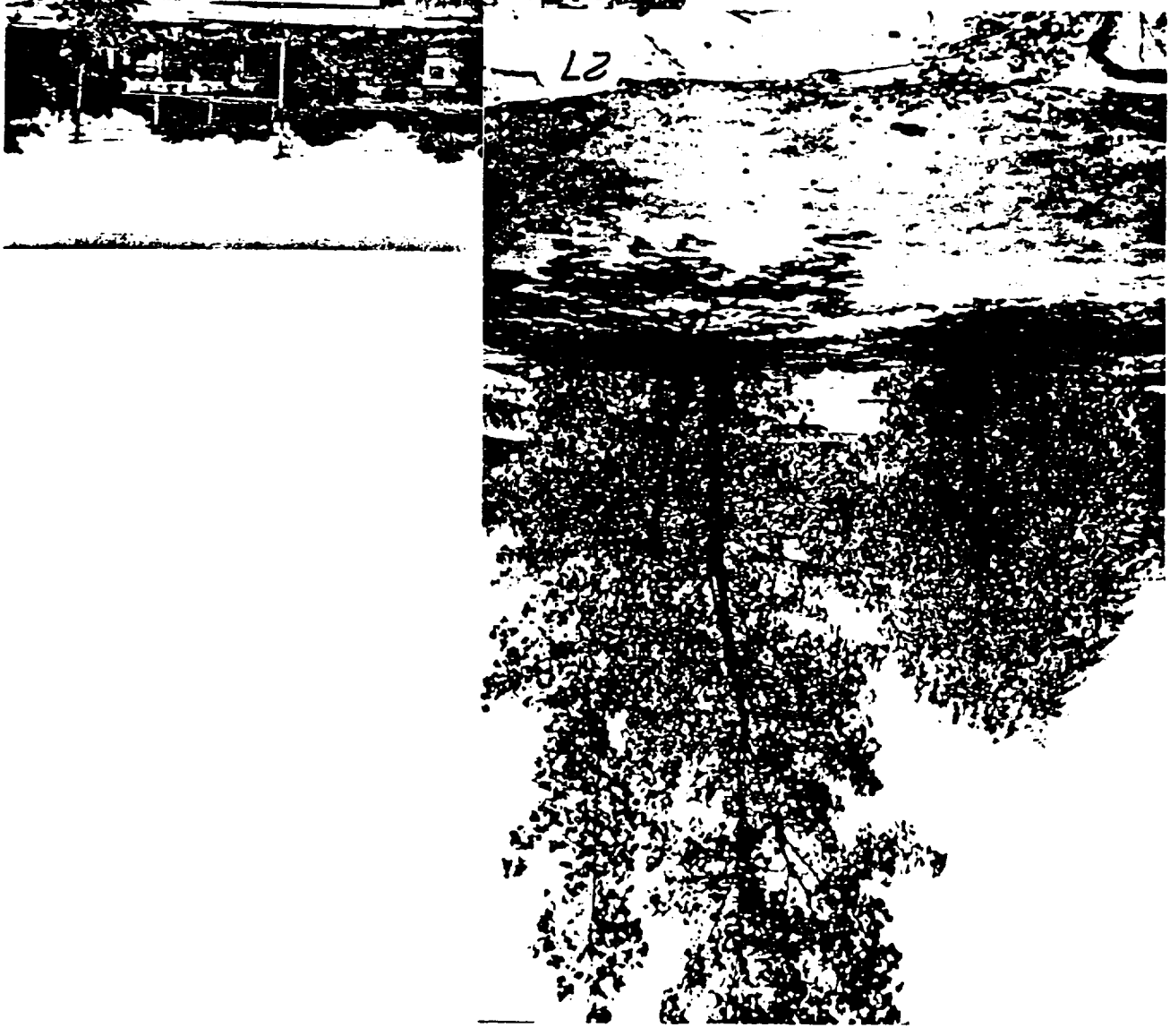
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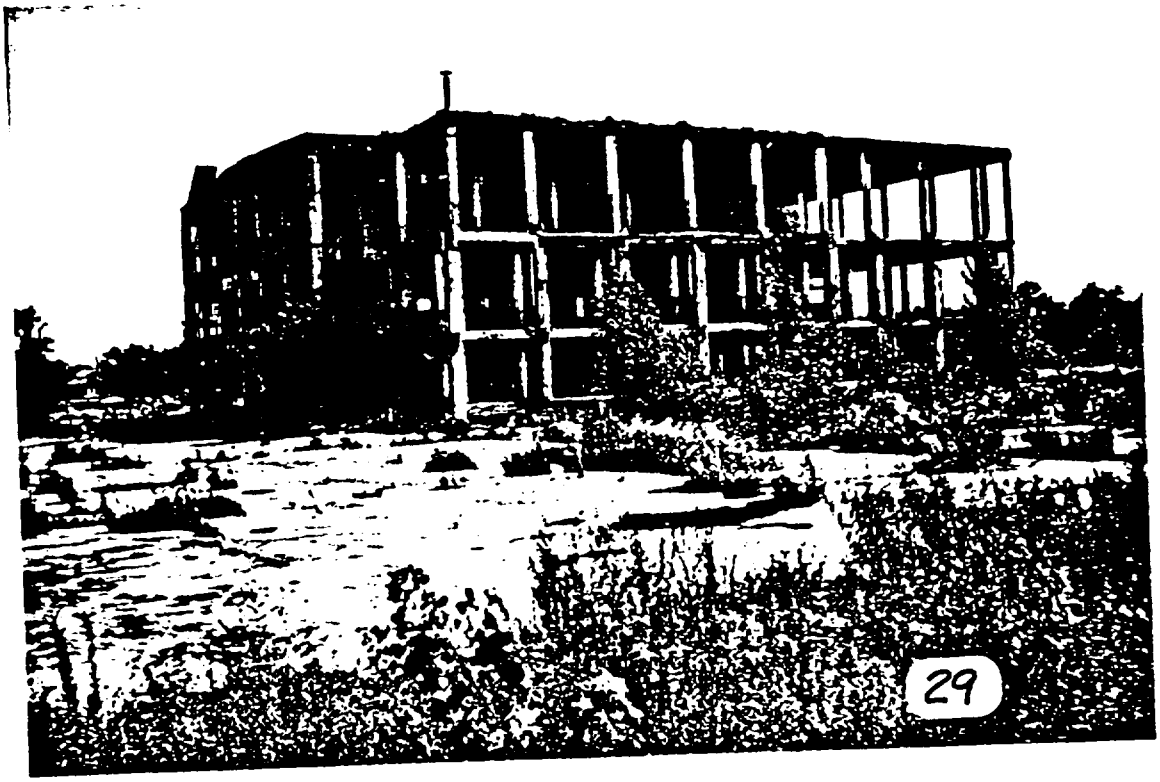
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APPENDIX B

Laboratory Report
Lead in Soil

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

NET Job Number: 93.07660

Enclosed are the Analytical Results for the following samples submitted to NET, Inc. Bartlett Division for analysis:

Project Description: Dutch Boy Paint Plant Site

Sample Number	Sample Description	Date Taken	Date Received
226731	S29P-01; Soil	08/25/1993	08/25/1993
226732	S29P-12; Soil	08/25/1993	08/25/1993
226733	33-01; Soil	08/25/1993	08/25/1993
226734	33-12; Soil	08/25/1993	08/25/1993
226735	W26P-01; Soil	08/25/1993	08/25/1993
226736	1214-01; Soil	08/25/1993	08/25/1993
226737	12-01; Soil	08/25/1993	08/25/1993
226738	12-11.5; Soil	08/25/1993	08/25/1993
226739	12-1.52; Soil	08/25/1993	08/25/1993
226740	1211-01; Soil	08/25/1993	08/25/1993
226741	1211-12; Soil	08/25/1993	08/25/1993
226742	11-01; Soil	08/25/1993	08/25/1993

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please do not hesitate to call. NET has been pleased to provide these analytical services for you.

Approved By:

Neal E. Cleghorn
Operations Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226731

NET Job No.: 93.07660

Sample Description: S29P-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 10:45
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	303	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	<0.080	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226732

NET Job No.: 93.07660

Sample Description: S29P-12; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 11:03
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	13.8	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	<0.080	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226733

NET Job No.: 93.07660

Sample Description: 33-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 11:05
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	19,200	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	98.4	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

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Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226734

NET Job No.: 93.07660

Sample Description: 33-12; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 11:05
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	23.1	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	<0.080	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226735

NET Job No.: 93.07660

Sample Description: W26P-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 11:30
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	1,120	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	2.53	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226736

NET Job No.: 93.07660

Sample Description: 1214-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 12:50
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	22,100	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	72.0	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226737

NET Job No.: 93.07660

Sample Description: 12-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 13:10
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	58.7	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	<0.080	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226738

NET Job No.: 93.07660

Sample Description: 12-11.5; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 13:15
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	45,700	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	694	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226740

NET Job No.: 93.07660

Sample Description: 1211-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 14:15
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	26,400	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	4.40	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226741

NET Job No.: 93.07660

Sample Description: 1211-12; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 14:25
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	14,200	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	212	mg/L	09/07/1993	6010 (1)

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226742

NET Job No.: 93.07660

Sample Description: 11-01; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 15:20
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Lead, ICP	14,000	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	110	mg/L	09/07/1993	6010 (1)

NET Midwest, Bartlett Division

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
B	:	Sample result flag indicating that the analyte was also found in the method blank analysis. The value after the B indicates the concentration found in the blank analysis.
E	:	Sample result flag indicating that the reported concentration exceeds the linear range of the instrument for that specific analysis and should be considered estimated.
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
%	:	Percent; To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.
Dry Weight	:	When indicated, the results are reported on a dry weight basis. The contribution of the moisture content in the sample is subtracted when calculating the concentration of the analyte.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Method References

(1) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986.

(2) ASTM "American Society for Testing Materials

(3) Methods 100 through 499: see "Methods for Chemical Analysis of Water and Wastes", USEPA, 600/4-79-020, Rev. 1983.

(4) See "Standard Methods for the Examination of Water and Wastewater", 17th Ed, APHA, 1989.

(5) Methods 600 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants", USEPA Federal Register Vol. 49 No. 209, October 1984.

(6) Methods 500 through 599: see "Methods for the Determination of Organic Compounds in Drinking Water," USEPA 600/4-88/039, Rev. 1988.

NET ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY: SIA HYDRO SEARCH INC.
ADDRESS: 3334 RICHMOND AVENUE, SUITE 200, HOUSTON
PHONE: (713) 520-7667 FAX: (713) 524-9866
PROJECT NAME/LOCATION: DUTCH BOY PAINT PLANT SITE
PROJECT NUMBER:
PROJECT MANAGER: DEBORAH A. ROMANOWSKI

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY (PRINT NAME): DEBORAH A ROMANOWSKI
SIGNATURE:
(PRINT NAME): KILEEN ADOUE
SIGNATURE:

DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# OF CONTAINERS TYPE	MATRIX	PRESERVED Y/N	ANALYSES: TCLP LEAD	TOTAL LEAD	TPH (418.1)	8240 VOAS	COMMENTS
8/25	10:45 AM	S29P-01	X		16	SOIL	Y	X	X			
8/25	11:03 AM	S29P-12	X		16	SOIL	Y	X	X			
8/25	11:05 AM	33-01	X		16	SOIL	Y	X	X			
8/25	11:07 AM	33-12	X		16	SOIL	Y	X	X			
8/25	11:20 AM	W26P-01	X		16	SOIL	Y	X	X			
8/25	12:50 PM	1214-01	X		16	SOIL	Y	X	X			
8/25	1:10 PM	12-01	X		16	SOIL	Y	X	X			
8/25	1:15 PM	12-11.5	X		16	SOIL	Y	X	X			
8/25	1:40 PM	12-15.2	X		16	SOIL	Y			X	X	
8/25	2:15 PM	1211-01	X		16	SOIL	Y	X	X			
8/25	2:55 PM	1211-12	X		16	SOIL	Y	X	X	X	X	
8/25	3:30 PM	11-01	X		16	SOIL	Y	X	X			

Hold until further notice
Taken off Hold
Debra R. DW 8/27
PO

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT:

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA Notify client of any charges
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS DATE 90 days

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED FOR NET BY:
	8/25/92 7:12 PM			8/25/92 7:12 p.m.	

METHOD OF SHIPMENT

REMARKS:

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK

APPENDIX C

Laboratory Report
Asbestos in Soil

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

12 October 1993

Debbie Romanovsky
SIMON HYDROSEARCH-HOUSTON
3344 Richmond, Suite 200
Houston, TX 77098

Dear Ms. Romanovsky:

The soil samples you submitted for asbestos analysis have been analyzed using polarized light microscopy (PLM), supplemented with point counting techniques. The methods used are described in EPA 40 CFR, Part 763, Appendix A to Subpart F, "Interim Method for the Determination of Asbestos in Bulk Insulation Samples". The results are included in the attached report.

As the title of the analytical method implies, the analytical technique was developed for the analysis of building materials. One of the important assumptions in the successful application of the method is that the material being examined is more or less homogenous. This assumption is not met for the examination of soils which may be contaminated with asbestos fibers, with the resulting effect of a lower level of precision and accuracy of the method as applied to soils. There is no method published for the analysis of soils.

In the case of these soil samples, the samples were homogenized to the extent feasible by mixing and through the use of mortar and pestle. The samples were also examined as received, and after ashing. Ashing is a preparation technique which removes many interfering types of fibers from the sample, because asbestos is able to withstand temperatures which organic and synthetic fibers cannot. On the basis of the origninal examinations using PLM, asbestos fibers were detected in every sample, and reported at low percentages.

It is important to note that percent quantification of asbestos fibers for low concentrations of PLM is usually inaccurate at concentrations of 5% or less without the use of point counting techniques. It is well-documented in technical literature that there is a demonstrated tendency for visual estimates to be high when compared to point count data (Perkins (1), Webber et al (2), and Harvey et al (3)). The original quantification was reported without the use of point counting techniques.

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterpnse Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

The attached report of quantification of asbestos fibers using point counting techniques was produced as a result of completing the technique on the ashed preparations of the soil samples. Even these ashed portions were not homogenous, and when asbestos fibers were detected, they were present in large clumps.

We are returning the orignal soil samples and the ash preparations at your request. It would be possible to have these samples evaluated using an alternative analytical technique, such as transmission electron microscopy.

Please contact me if you have any questions, or if you require additional information. It has been a pleasure assisting you.

Sincerely,
NET, Inc.

Michael K. McGee, CIH
Cedar Fall Division Manager

References

1. Perkins, R. L., "Point-Counting Technique for Friable Asbestos-Containing Materials", **The Microscope**, 38, 1990, pp. 29-39.

2. Webber, J. S., R. J. Janulis, L. J. Carhart and M. B. Gillespie, "Quantitating Asbestos Content in Friable Buld Samples: Development of a Stratified Point Counting Method", **American Industrial Hygiene Association Journal**, 51, 1990, pp. 447-452.

3. Harvey, B. W., R. L. Perkins, J. G. Nickerson, A. J. Newland and M. E. Beard, "Formulating Bulk Asbestos Standards", **Asbestos Issues**, April 1991, pp. 22-29.

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Debbie Romanovsky
SIMON HYDRO-SEARCH-HOUSTON
3344 Richmond, Suite 200
Houston, TX 77098

10/12/1993

Date Received: 10/04/1993
Job Number: 93.07817

		Result	Units	Date Taken	Date Analyzed	Analyst	Analysis Method	Reporting Limit	
225870 #221972									
Point Counting	8W	0.25	%	08/25/1993	10/05/1993	ajp	*	0.25	%
225871 #221975									
Point Counting	4C	<0.25	%	08/25/1993	10/05/1993	ajp	*	0.25	%
226225 #226549									
Point Counting	8NE	0.50	%	08/25/1993	10/12/1993	ajp	*	0.25	%
226226 #226551									
Point Counting	8S	1.25	%	08/25/1993	10/12/1993	ajp	*	0.25	%
226227 #226552									
Point Counting	4E	<0.25	%	08/25/1993	10/12/1993	ajp	*	0.25	%

*All analyses are performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F.

Michael K. McGee, CIH
Cedar Falls Division Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Debbie Romanovsky
SIMON HYDRO-SEARCH-HOUSTON
3344 Richmond, Suite 200
Houston, TX 77098

10/12/1993

Date Received: 10/05/1993
Job Number: 93.07884

		Result	Units	Date Taken	Date Analyzed	Analyst	Analysis Method	Reporting Limit
226228 #226554								
Point Counting	45	1.53	%	08/25/1993	10/12/1993	ajp	*	0.25 %

*All analyses are performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F.

Michael K. McGee, CIH
Cedar Falls Division Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

NET Job Number: 93.07617

Enclosed are the Analytical Results for the following samples submitted to NET, Inc. Bartlett Division for analysis:

Project Description: Dutch Boy Paint Plant Site

Sample Number	Sample Description	Date Taken	Date Received
226549	8 NE; Soil	08/25/1993	08/25/1993
226550	8 W; Soil	08/25/1993	08/25/1993
226551	8 S; Soil	08/25/1993	08/25/1993
226552	4 E; Soil	08/25/1993	08/25/1993
226553	4 C; Soil	08/25/1993	08/25/1993
226554	4 S; Soil	08/25/1993	08/25/1993

If after reviewing these results you have any questions, please feel free to call. NET has been pleased to provide these analytical services for you.

Approved By:

Neal E. Cleghorn
Operations Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

NET Job No.: 93.07617

Project Description: Dutch Boy Paint Plant Site

Date Received: 08/25/1993
Time Received: 06:50

IEPA Cert. No. 100221
WDNR Cert. No. 999447130

Asbestos/Bulk — Method: D1094 (2)

Smp No.	Date Taken	Sample Description	Analyzed	Result	Units
226549	08/25/1993	8 NE; Soil	09/07/1993	See Attached	ug/g
226550	08/25/1993	8 W; Soil	09/07/1993	See Attached	ug/g
226551	08/25/1993	8 S; Soil	09/07/1993	See Attached	ug/g
226552	08/25/1993	4 E; Soil	09/07/1993	See Attached	ug/g
226553	08/25/1993	4 C; Soil	09/07/1993	See Attached	ug/g
226554	08/25/1993	4 S; Soil	09/07/1993	See Attached	ug/g

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/07/1993

Sample No.: 221971
Job Number: 93.06804

SAMPLE DESCRIPTION: #226549 · Simon Hydrosearch BNE

Date Taken: 08/25/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BK
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	2
Crocidolite	ND
Total Fibrous Asbestiforms	2
OTHER FIBROUS COMPONENTS	.
Cellulose	5
Fibrous Glass	3
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	90

The Cedar Falls laboratory is accredited by the National Institute of Standards and Technology for polarized light microscopy analysis under NVLAP. All analyses are performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government, and the report relates only to the item tested. ND means less than 1%, and % refers to percent by volume.

Kristin Voigts
Kristin Voigts
Analyst

9-7-93
Date of Analysis

Michael K. McGee, CIH
Division Manager

NET NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/07/1993

Sample No.: 221972
Job Number: 93.06804

SAMPLE DESCRIPTION: #226550 Simon Hydrosearch BW

Date Taken: 08/25/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BK
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	5
Crocidolite	ND
Total Fibrous Asbestiforms	5
OTHER FIBROUS COMPONENTS	.
Cellulose	5
Fibrous Glass	ND
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	90

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Kristin Voigts 9-7-93

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

OCEAN GROUP

NET NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/07/1993

Sample No.: 221973
Job Number: 93.06804

SAMPLE DESCRIPTION: #226551 Simon Hydrosearch 85

Date Taken: 08/25/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BK
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	4
Crocidolite	ND
Total Fibrous Asbestiforms	4
OTHER FIBROUS COMPONENTS	.
Cellulose	5
Fibrous Glass	ND
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	91

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Kristin Voigts 9-7-93

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

OCEAN GROUP

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/07/1993

Sample No.: 221974
Job Number: 93.06804

SAMPLE DESCRIPTION: #226552 Simon Hydrosearch 4E

Date Taken: 08/25/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BK
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	3
Crocidolite	ND
Total Fibrous Asbestiforms	3
OTHER FIBROUS COMPONENTS	.
Cellulose	5
Fibrous Glass	3
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	89

The Cedar Falls laboratory is accredited by the National Institute of Standards and Technology for polarized light microscopy analysis under NVLAP. All analyses are performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government, and the report relates only to the item tested. ND means less than 1%, and % refers to percent by volume.

Kristin Voigts 9-7-93

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/07/1993

Sample No.: 221975
Job Number: 93.06804

SAMPLE DESCRIPTION: #226553 Simon Hydrosearch 4c

Date Taken: 08/25/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BK
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	2
Crocidolite	ND
Total Fibrous Asbestiforms	2
OTHER FIBROUS COMPONENTS	.
Cellulose	8
Fibrous Glass	5
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	85

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Kristin Voigts 9-7-93

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

OCEAN GROUT

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprnse Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/07/1993

Sample No.: 221976
Job Number: 93.06804

SAMPLE DESCRIPTION: #226554 Simon Hydrosearch 45

Date Taken: 08/25/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BK
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	2
Crocidolite	ND
Total Fibrous Asbestiforms	2
OTHER FIBROUS COMPONENTS	.
Cellulose	5
Fibrous Glass	4
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	89

The Cedar Falls laboratory is accredited by the National Institute of Standards and Technology for polarized light microscopy analysis under NVLAP. All analyses are performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government, and the report relates only to the item tested. ND means less than 1%, and % refers to percent by volume.

Kristin Voigts 9-7-93

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NET ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY Simon Hydro Search Inc.
ADDRESS 3334 Richmond Avenue, Suite 200, Houston
PHONE (713)520-7667 FAX (713)524-9866
PROJECT NAME/LOCATION Dutch Boy Paint Plant Site
PROJECT NUMBER
PROJECT MANAGER Deborah A. Romanowski

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY
Deborah A. Romanowski (PRINT NAME)
Deborah A. Romanowski SIGNATURE
Kileen Rowe (PRINT NAME)
Kileen Rowe SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# OF CONTAINERS TYPE	MATRIX	PRESERVED Y/N	ANALYSES: ASBESTOS (PLM) NVLAP LAB and	COMMENTS
8/25	3:20 PM	8 NE	X		1 PL	SOIL	N	X	
8/25	3:25 PM	8 W	X		1 PL	SOIL	N	X	
8/25	3:27 PM	8 S	X		1 PL	SOIL	N	X	
8/25	3:45 PM	4 E	X		1 PL	SOIL	N	X	
8/25	3:50 PM	4 C	X		1 PL	SOIL	N	X	
8/25	3:55 PM	4 S	X		1 PL	SOIL	N	X	

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT:

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA Notify client of any charges (time)
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS Deborah Romanowski DATE 90 days

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED FOR NET BY:
Deborah Romanowski	8/25/93 6:52 PM			9/25/93 6:50 am	Theresa M Dodd

METHOD OF SHIPMENT

REMARKS:

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK

APPENDIX D

Photographs
Debris Piles

PHOTOGRAPH DESCRIPTIONS

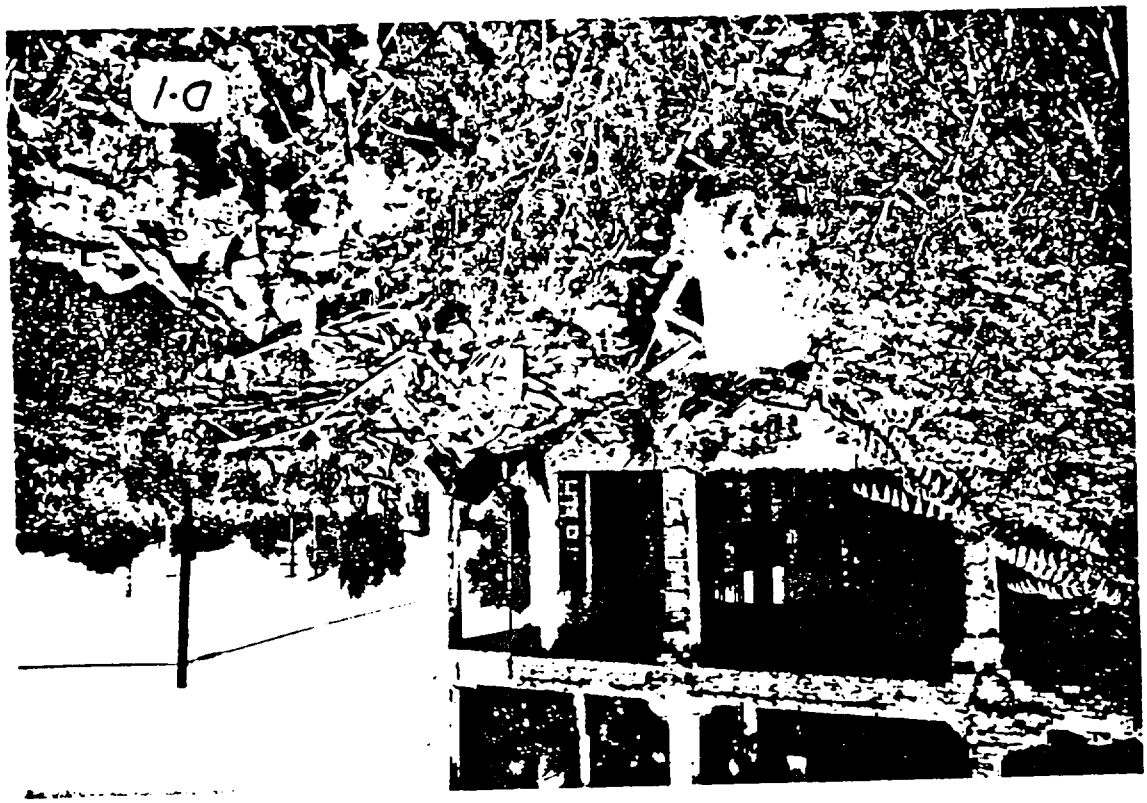
Debris Piles

Nos. 1&2: South of Mill Building
Primarily Brick and Mortar
Estimated Volume: 250 Cubic Yards

Nos. 3&4: West Property Line
Primarily Concrete
Estimated Volume: 700 Cubic Yards

No. 5: Loading Dock, South End of Property
Primarily Brick and Mortar
Estimated Volume: 50 Cubic Yards


2.0


1.0


D-4


D-3


D-5

APPENDIX E

Photographs and Laboratory Report
Asbestos in the Mill Building

PHOTOGRAPH DESCRIPTIONS

Building Materials Containing Asbestos

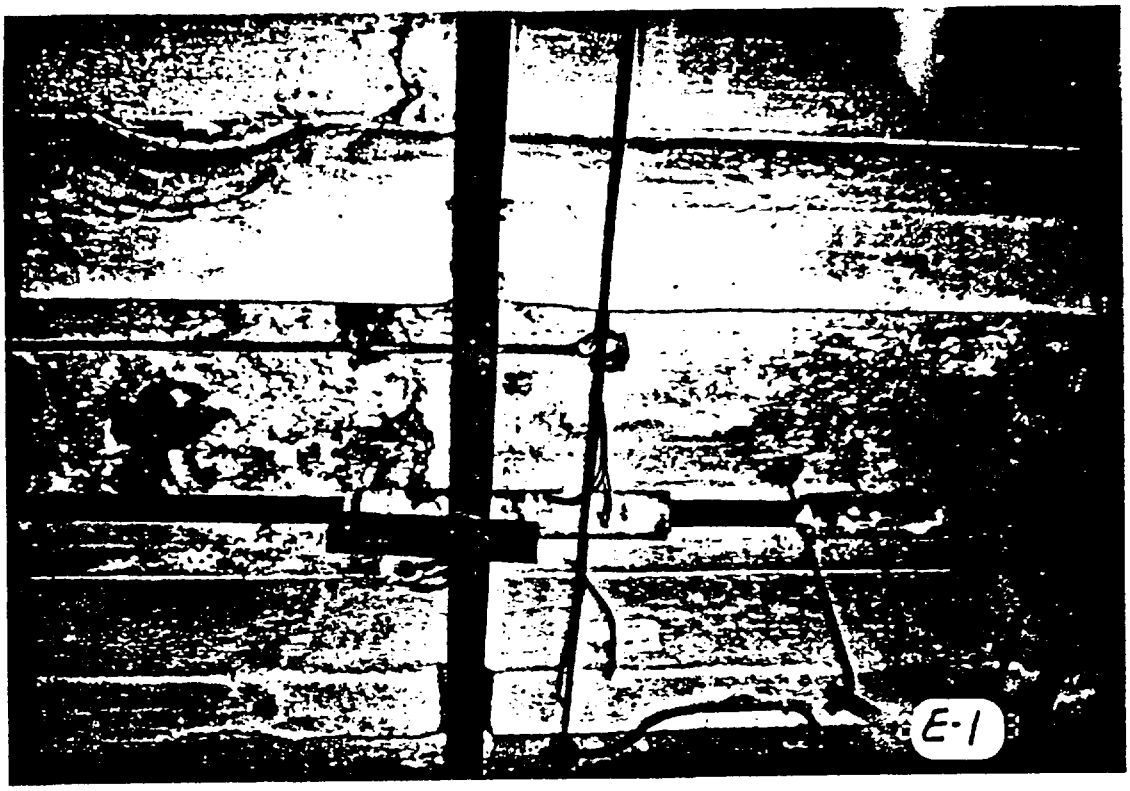
No. 1: Suspected Asbestos Containing Material
Mill Building, First Floor, Pipe Insulation
Estimated Length: < 10 Linear Feet

Not sampled, inaccessible.

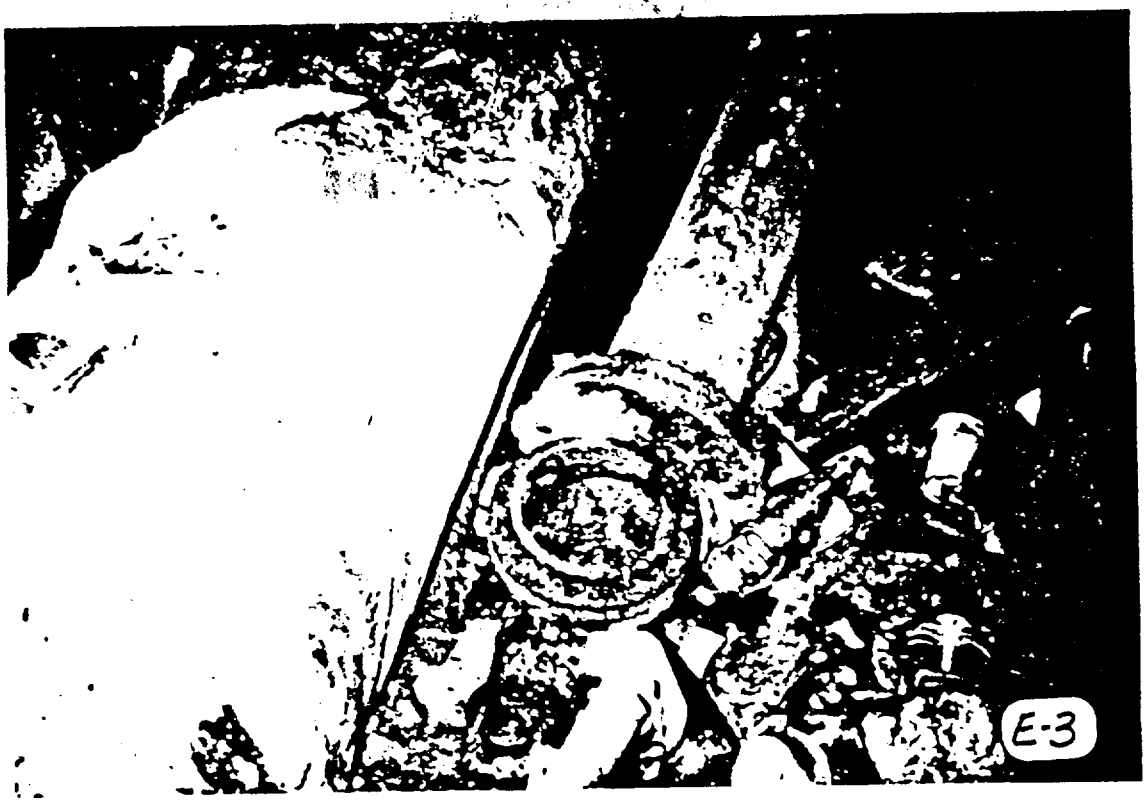
No. 2: Mill Building, Second Floor, Floor Tiles
Asbestos Content: 7% Chrysotile
Area Estimate: < 200 Square Feet

Nos. 3 & 4: Mill Building, Basement Crawl Space, Pipe Insulation
Asbestos Content: 30-40% Chrysotile (Two Types)
Estimated Length: < 10 Linear Feet in Crawl Space

Note: Basement Area not inspected, inaccessible.


E-1


E-2


E-3


E-4

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

NET Job Number: 93.07656

Enclosed are the Analytical Results for the following samples submitted to NET, Inc. Bartlett Division for analysis:

Project Description: Dutch Boy Paint Plant Site

Sample Number	Sample Description	Date Taken	Date Received
226685	BBPI1; Fabric	08/26/1993	08/26/1993
226686	BBPI1; Insulation	08/26/1993	08/26/1993
226687	BBPI2	08/26/1993	08/26/1993
226688	B2SRW	08/26/1993	08/26/1993
226689	B2SRF	08/26/1993	08/26/1993
226690	B2P	08/26/1993	08/26/1993
226691	B2W	08/26/1993	08/26/1993

If after reviewing these results you have any questions, please feel free to call. NET has been pleased to provide these analytical services for you.

Approved By:

Neal E. Creghorn
Operations Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

NET Job No.: 93.07656

Project Description: Dutch Boy Paint Plant Site

Date Received: 08/26/1993
Time Received: 15:50

IEPA Cert. No. 100221
WDNR Cert. No. 999447130

Asbestos/Bulk — Method: D1094 (2)

Smp No.	Date Taken	Sample Description	Analyzed	Result	Units
226685	08/26/1993	BBPI1; Fabric	09/08/1993	See Attached	ug/g
226686	08/26/1993	BBPI1; Insulation	09/08/1993	See Attached	ug/g
226687	08/26/1993	BBPI2	09/08/1993	See Attached	ug/g
226688	08/26/1993	B2SRW	09/08/1993	See Attached	ug/g
226689	08/26/1993	B2SRF	09/08/1993	See Attached	ug/g
226690	08/26/1993	B2P	09/08/1993	See Attached	ug/g
226691	08/26/1993	B2W	09/08/1993	See Attached	ug/g

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221964
Job Number: 93.06803

SAMPLE DESCRIPTION: #226685 Simon Hydrosearch BBI1 - Fabric

Date Taken: 08/26/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BR & OW
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	40
Crocidolite	ND
Total Fibrous Asbestiforms	40
OTHER FIBROUS COMPONENTS	.
Cellulose	ND
Fibrous Glass	ND
Synthetics	10
Other	ND
NONFIBROUS COMPONENTS	50

The Cedar Falls laboratory is accredited by the National Institute of Standards and Technology for polarized light microscopy analysis under NVLAP. All analyses are performed in accordance with EPA 40 CFR, Part 763, Appendix A to Subpart F. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government, and the report relates only to the item tested. ND means less than 1%, and % refers to percent by volume.

Kristin Voigts

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221965
Job Number: 93.06803

SAMPLE DESCRIPTION: #226686 Simon Hydrosearch BBI1: Insolation

Date Taken: 08/26/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BR & OW
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	**
Crocidolite	ND
Total Fibrous Asbestiforms	ND
OTHER FIBROUS COMPONENTS	.
Cellulose	100
Fibrous Glass	ND
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	ND

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*NOTE: Asbestos fibers detected. This sample was in the same container as Sample #221964, cross contamination may have occurred.

Kristin Voigt

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221966
Job Number: 93.06803

SAMPLE DESCRIPTION: #226687 Simon Hydrosearch 66912

Date Taken: 08/26/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	OW
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	30
Crocidolite	ND
Total Fibrous Asbestiforms	30
OTHER FIBROUS COMPONENTS	.
Cellulose	5
Fibrous Glass	5
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	60

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Kristin Voigts

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221967
Job Number: 93.06803

SAMPLE DESCRIPTION: #226688 Simon Hydrosearch 6ZSRW

Date Taken: 08/26/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	OW
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	ND
Crocidolite	ND
Total Fibrous Asbestiforms	<1
OTHER FIBROUS COMPONENTS	.
Cellulose	15
Fibrous Glass	ND
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	85

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Kristin Voigts

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NET NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221968
Job Number: 93.06803

SAMPLE DESCRIPTION: #226689 Simon Hydrosearch B2SRF

Date Taken: 08/26/1993

Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	BR
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	7
Crocidolite	ND
Total Fibrous Asbestiforms	7
OTHER FIBROUS COMPONENTS	.
Cellulose	ND
Fibrous Glass	ND
Synthetics	ND
Other	ND
NONFIBROUS COMPONENTS	93

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Kristin Voigts

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221969
Job Number: 93.06803

SAMPLE DESCRIPTION: #226690 Simon Hydrosearch B2P

Date Taken: 08/26/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	GR
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	ND
Crocidolite	ND
Total Fibrous Asbestiforms	<1
OTHER FIBROUS COMPONENTS	.
Cellulose	ND
Fibrous Glass	ND
Synthetics	5
Other	ND
NONFIBROUS COMPONENTS	95

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Kristin Voigts

Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: (319) 277-2401
Fax: (319) 277-2425

ANALYTICAL REPORT

Ms. Toni Gartner
NET - BARTLETT

850 West Bartlett Road
Bartlett, IL 60103

09/08/1993

Sample No.: 221970
Job Number: 93.06803

SAMPLE DESCRIPTION: #226691 Simon Hydrosearch BZW

Date Taken: 08/26/1993 Date Received: 08/30/1993

ASBESTOS IDENTIFICATION

BULK SAMPLE ANALYSIS

	% By Visual Estimation
Sample Color	TAN
FIBROUS ASBESTIFORMS	.
Actinolite/Tremolite	ND
Amosite	ND
Anthophylite	ND
Chrysotile	ND
Crocidolite	ND
Total Fibrous Asbestiforms	<1
OTHER FIBROUS COMPONENTS	.
Cellulose	ND
Fibrous Glass	ND
Synthetics	5
Other	ND
NONFIBROUS COMPONENTS	95

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Kristin Voigts
Kristin Voigts
Analyst

Date of Analysis

Michael K. McGee, CIH
Division Manager

NET® NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY Simon Hydro Search, Inc.
ADDRESS 3334 Richmond Avenue, Suite 200
PHONE (713) 520-7667 FAX (713) 524-9866
PROJECT NAME/LOCATION Dutch Boy Paint Plant Site
PROJECT NUMBER
PROJECT MANAGER OK Connaughton

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY
D A Komorowski (PRINT NAME) — D A Komorowski (SIGNATURE)
(PRINT NAME) — (SIGNATURE)

DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# OF CONTAINERS & TYPE	MATRIX	PRESERVED Y/N	ANALYSES: Asbestos (TEM)	COMMENTS
8/26	8:45	BBPI 1 FABRIC INSULATION	X		1/L	SOLID	N	X	ANALYZE 2 SAMPLES FROM SINGLE CONTAINER
								X	
8/26	8:55	BBPI 2	X		1/L	SOLID	N	X	
8/26	9:05	B2SRW	X		1/L	SOLID	N	X	
8/26	9:15	B2SRF	X		1/L	SOLID	N	X	
8/26	9:30	B2P	X		1/L	SOLID	N	X	
8/26	9:45	B2W	X		1/L	SOLID	N	X	

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT:

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS DATE

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED FOR NET BY:
D Komorowski	8/26/93 2:50 p.m.				Mona Holland 8/26/93 3:50

METHOD OF SHIPMENT

REMARKS:

PT 1 ORIGINAL WHITE PT 2 NET PROJECT MANAGER YELLOW PT 3 CUSTOMER COPY PINK

APPENDIX F

Photograph and Laboratory Report
Water in Mill Building Basement

PHOTOGRAPH DESCRIPTION

Water in Basement Sampling

Basement Entry Way

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

NET Job Number: 93.07659

Enclosed are the Analytical Results for the following samples submitted to NET, Inc. Bartlett Division for analysis:

Project Description: Dutch Boy Paint Plant Site

Sample Number	Sample Description	Date Taken	Date Received
226730	BW; Grab	08/26/1993	08/26/1993

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please do not hesitate to call. NET has been pleased to provide these analytical services for you.

Approved By:

Neal E. Cleghorn
Operations Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

Sample No. : 226730

NET Job No.: 93.07659

Sample Description: BW; Grab
Dutch Boy Paint Plant Site

Date Taken: 08/26/1993
Time Taken: 12:00
IEPA Cert. No. 100221

Date Received: 08/26/1993
Time Received:
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Asbestos/Bulk	See Attached	mg/L	09/02/1993	

NET Midwest, Bartlett Division

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
B	:	Sample result flag indicating that the analyte was also found in the method blank analysis. The value after the B indicates the concentration found in the blank analysis.
E	:	Sample result flag indicating that the reported concentration exceeds the linear range of the instrument for that specific analysis and should be considered estimated.
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
%	:	Percent; To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.
Dry Weight	:	When indicated, the results are reported on a dry weight basis. The contribution of the moisture content in the sample is subtracted when calculating the concentration of the analyte.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Method References

(1) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986.

(2) ASTM "American Society for Testing Materials

(3) Methods 100 through 499: see "Methods for Chemical Analysis of Water and Wastes", USEPA, 600/4-79-020, Rev. 1983.

(4) See "Standard Methods for the Examination of Water and Wastewater", 17th Ed, APHA, 1989.

(5) Methods 600 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants", USEPA Federal Register Vol. 49 No. 209, October 1984.

(6) Methods 500 through 599: see "Methods for the Determination of Organic Compounds in Drinking Water," USEPA 600/4-88/039, Rev. 1988.

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

NET Job Number: 93.07657

Enclosed are the Analytical Results for the following samples submitted to NET, Inc. Bartlett Division for analysis:

Project Description: Dutch Boy Paint Plant Site

Sample Number	Sample Description	Date Taken	Date Received
226692	BW; Grab	08/26/1993	08/26/1993

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please do not hesitate to call. NET has been pleased to provide these analytical services for you.

Approved By:

Neal E. Cleghorn
Operations Manager

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/08/1993

Sample No. : 226692

NET Job No.: 93.07657

Sample Description: BW; Grab
Dutch Boy Paint Plant Site

Date Taken: 08/26/1993
Time Taken: 12:00
IEPA Cert. No. 100221

Date Received: 08/26/1993
Time Received: 15:50
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Cyanide, total	0.004	mg/L	08/30/1993	335.2(3) 9010(1)
Aluminum, ICP	0.27	mg/L	09/07/1993	6010(1) 200.7(3)
Antimony, ICP	<0.50	mg/L	09/07/1993	6010(1) 200.7(3)
Arsenic, GFAA	<0.0050	mg/L	09/03/1993	7060(1) 206.2(3)
Barium, ICP	<0.020	mg/L	09/03/1993	6010(1) 200.7(3)
Beryllium, ICP	<0.0050	mg/L	09/07/1993	6010(1) 200.7(3)
Cadmium, ICP	<0.003	mg/L	09/03/1993	6010(1) 200.7(3)
Calcium, AA	38	mg/L	09/01/1993	7140(1) 215.1(3)
Chromium, ICP	<0.005	mg/L	09/03/1993	6010(1) 200.7(3)
Cobalt, ICP	<0.10	mg/L	09/07/1993	6010(1) 200.7(3)
Copper, ICP	<0.010	mg/L	09/07/1993	6010(1) 200.7(3)
Iron, ICP	0.944	mg/L	09/07/1993	6010(1) 200.7(3)
Lead, GFAA	0.104	mg/L	09/07/1993	7421(1) 239.2(3)
Magnesium, AA	48	mg/L	09/01/1993	7450(1) 242.1(3)
Manganese, ICP	0.088	mg/L	09/07/1993	6010(1) 200.7(3)
Mercury, CVAA	0.0002	mg/L	09/07/1993	7470(1) 245.1(3)
Nickel, ICP	<0.070	mg/L	09/07/1993	6010(1) 200.7(3)
Potassium, AA	29	mg/L	09/01/1993	7610(1) 258.1(3)
Selenium, AA	<0.0050	mg/L	09/01/1993	7741(1) 270.3(3)
Silver, AA	<0.040	mg/L	09/08/1993	7760(1) 272.1(3)
Sodium, AA	71	mg/L	09/01/1993	7770(1) 273.1(3)
Thallium, ICP	<0.20	mg/L	09/03/1993	6010(1) 200.7(3)
Vanadium, ICP	<0.050	mg/L	09/03/1993	6010(1) 200.7(3)
Zinc, ICP	0.023	mg/L	09/07/1993	6010(1) 200.7(3)

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09/08/1993

Sample No. : 226692

NET Job No.: 93.07657

Sample Description: BW; Grab
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Date Taken: 08/26/1993
Time Taken: 12:00
IEPA Cert. No. 100221

Date Received: 08/26/1993
Time Received: 15:50
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
ACID CMPDS - 8270 AQUEOUS				
Benzoic acid	<50	ug/L	09/01/1993	8270 (1)
Benzyl alcohol	<20	ug/L	09/01/1993	8270 (1)
4-Chloro-3-methylphenol	<10	ug/L	09/01/1993	8270 (1)
2-Chlorophenol	<10	ug/L	09/01/1993	8270 (1)
2,4-Dichlorophenol	<10	ug/L	09/01/1993	8270 (1)
2,4-Dimethylphenol	<10	ug/L	09/01/1993	8270 (1)
2,4-Dinitrophenol	<50	ug/L	09/01/1993	8270 (1)
2-Methyl-4,6-dinitrophenol	<50	ug/L	09/01/1993	8270 (1)
2-Methylphenol (o-Cresol)	<10	ug/L	09/01/1993	8270 (1)
4-Methylphenol (p-Cresol)	<10	ug/L	09/01/1993	8270 (1)
2-Nitrophenol	<10	ug/L	09/01/1993	8270 (1)
4-Nitrophenol	<50	ug/L	09/01/1993	8270 (1)
Pentachlorophenol	<50	ug/L	09/01/1993	8270 (1)
Phenol	<10	ug/L	09/01/1993	8270 (1)
2,4,5-Trichlorophenol	<10	ug/L	09/01/1993	8270 (1)
2,4,6-Trichlorophenol	<10	ug/L	09/01/1993	8270 (1)
BASE/NEUTRALS - 8270 AQUEOUS				
Acenaphthene	<10	ug/L	09/01/1993	8270 (1)
Acenaphthylene	<10	ug/L	09/01/1993	8270 (1)
Aniline	<10	ug/L	09/01/1993	8270 (1)
Anthracene	<10	ug/L	09/01/1993	8270 (1)
Benzidine	<50	ug/L	09/01/1993	8270 (1)
Benzo(a)anthracene	<10	ug/L	09/01/1993	8270 (1)
Benzo(b)fluoranthene	<10	ug/L	09/01/1993	8270 (1)
Benzo(k)fluoranthene	<10	ug/L	09/01/1993	8270 (1)
Benzo(g,h,i)perylene	<10	ug/L	09/01/1993	8270 (1)
Benzo(a)pyrene	<10	ug/L	09/01/1993	8270 (1)
Benzyl butyl phthalate	<10	ug/L	09/01/1993	8270 (1)

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09/08/1993

Sample No. : 226692

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Date Taken: 08/26/1993
Time Taken: 12:00
IEPA Cert. No. 100221

Date Received: 08/26/1993
Time Received: 15:50
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Bis(2-chloroethoxy)methane	<10	ug/L	09/01/1993	8270 (1)
Bis(2-chloroethyl)ether	<10	ug/L	09/01/1993	8270 (1)
Bis(2-chloroisopropyl)ether	<10	ug/L	09/01/1993	8270 (1)
Bis(2-ethylhexyl)phthalate	<10	ug/L	09/01/1993	8270 (1)
4-Bromophenyl phenyl ether	<10	ug/L	09/01/1993	8270 (1)
4-Chloroaniline	<20	ug/L	09/01/1993	8270 (1)
2-Chloronaphthalene	<10	ug/L	09/01/1993	8270 (1)
4-Chlorophenyl phenyl ether	<10	ug/L	09/01/1993	8270 (1)
Chrysene	<10	ug/L	09/01/1993	8270 (1)
Dibenzo(a,h)anthracene	<10	ug/L	09/01/1993	8270 (1)
Dibenzofuran	<10	ug/L	09/01/1993	8270 (1)
Di-n-butyl phthalate	<10	ug/L	09/01/1993	8270 (1)
1,2-Dichlorobenzene	<10	ug/L	09/01/1993	8270 (1)
1,3-Dichlorobenzene	<10	ug/L	09/01/1993	8270 (1)
1,4-Dichlorobenzene	<10	ug/L	09/01/1993	8270 (1)
3,3'-Dichlorobenzidine	<20	ug/L	09/01/1993	8270 (1)
Diethyl phthalate	<10	ug/L	09/01/1993	8270 (1)
Dimethyl phthalate	<10	ug/L	09/01/1993	8270 (1)
2,4-Dinitrotoluene	<10	ug/L	09/01/1993	8270 (1)
2,6-Dinitrotoluene	<10	ug/L	09/01/1993	8270 (1)
Di-n-octyl phthalate	<10	ug/L	09/01/1993	8270 (1)
Fluoranthene	<10	ug/L	09/01/1993	8270 (1)
Fluorene	<10	ug/L	09/01/1993	8270 (1)
Hexachlorobenzene	<10	ug/L	09/01/1993	8270 (1)
Hexachlorobutadiene	<10	ug/L	09/01/1993	8270 (1)
Hexachlorocyclopentadiene	<10	ug/L	09/01/1993	8270 (1)
Hexachloroethane	<10	ug/L	09/01/1993	8270 (1)
Indeno(1,2,3-cd)pyrene	<10	ug/L	09/01/1993	8270 (1)
Isophorone	<10	ug/L	09/01/1993	8270 (1)
2-Methylnaphthalene	<10	ug/L	09/01/1993	8270 (1)

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09/08/1993

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Time Taken: 12:00
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Date Received: 08/26/1993
Time Received: 15:50
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Naphthalene	<10	ug/L	09/01/1993	8270 (1)
2-Nitroaniline	<50	ug/L	09/01/1993	8270 (1)
3-Nitroaniline	<50	ug/L	09/01/1993	8270 (1)
4-Nitroaniline	<50	ug/L	09/01/1993	8270 (1)
Nitrobenzene	<10	ug/L	09/01/1993	8270 (1)
N-Nitrosodimethylamine	<10	ug/L	09/01/1993	8270 (1)
N-Nitrosodi-n-propylamine	<10	ug/L	09/01/1993	8270 (1)
N-Nitrosodiphenylamine	<10	ug/L	09/01/1993	8270 (1)
Phenanthrene	<10	ug/L	09/01/1993	8270 (1)
Pyrene	<10	ug/L	09/01/1993	8270 (1)
1,2,4-Trichlorobenzene	<10	ug/L	09/01/1993	8270 (1)
VOLATILES - 8240 AQUEOUS				
Acetone	<100	ug/L	08/30/1993	8240 (1)
Benzene	<1.0	ug/L	08/30/1993	8240 (1)
Bromodichloromethane	<1.0	ug/L	08/30/1993	8240 (1)
Bromoform	<1.0	ug/L	08/30/1993	8240 (1)
Bromomethane	<10.0	ug/L	08/30/1993	8240 (1)
2-Butanone (MEK)	<100	ug/L	08/30/1993	8240 (1)
Carbon disulfide	<100	ug/L	08/30/1993	8240 (1)
Carbon tetrachloride	<1.0	ug/L	08/30/1993	8240 (1)
Chlorobenzene	<1.0	ug/L	08/30/1993	8240 (1)
Chloroethane	<10.0	ug/L	08/30/1993	8240 (1)
2-Chloroethylvinyl ether	<10.0	ug/L	08/30/1993	8240 (1)
Chloroform	<1.0	ug/L	08/30/1993	8240 (1)
Chloromethane	<10.0	ug/L	08/30/1993	8240 (1)
Dibromochloromethane	<1.0	ug/L	08/30/1993	8240 (1)
1,2-Dichlorobenzene	<1.0	ug/L	08/30/1993	8240 (1)
1,3-Dichlorobenzene	<1.0	ug/L	08/30/1993	8240 (1)
1,4-Dichlorobenzene	<1.0	ug/L	08/30/1993	8240 (1)

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09/08/1993

Sample No. : 226692

NET Job No.: 93.07657

Sample Description: BW; Grab
Dutch Boy Paint Plant Site

Date Taken: 08/26/1993
Time Taken: 12:00
IEPA Cert. No. 100221

Date Received: 08/26/1993
Time Received: 15:50
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
1,1-Dichloroethane	<1.0	ug/L	08/30/1993	8240 (1)
1,2-Dichloroethane	<1.0	ug/L	08/30/1993	8240 (1)
1,1-Dichloroethene	<1.0	ug/L	08/30/1993	8240 (1)
cis-1,2-Dichloroethene	<1.0	ug/L	08/30/1993	8240 (1)
trans-1,2-Dichloroethene	<1.0	ug/L	08/30/1993	8240 (1)
1,2-Dichloropropane	<1.0	ug/L	08/30/1993	8240 (1)
cis-1,3-Dichloropropene	<1.0	ug/L	08/30/1993	8240 (1)
trans-1,3-Dichloropropene	<1.0	ug/L	08/30/1993	8240 (1)
Ethyl benzene	<1.0	ug/L	08/30/1993	8240 (1)
2-Hexanone	<50.0	ug/L	08/30/1993	8240 (1)
Methylene chloride	<5.0	ug/L	08/30/1993	8240 (1)
4-Methyl-2-pentanone (MIBK)	<50.0	ug/L	08/30/1993	8240 (1)
Styrene	<5.0	ug/L	08/30/1993	8240 (1)
1,1,2,2-Tetrachloroethane	<1.0	ug/L	08/30/1993	8240 (1)
Tetrachloroethene	<1.0	ug/L	08/30/1993	8240 (1)
Toluene	<1.0	ug/L	08/30/1993	8240 (1)
1,1,1-Trichloroethane	<1.0	ug/L	08/30/1993	8240 (1)
1,1,2-Trichloroethane	<1.0	ug/L	08/30/1993	8240 (1)
Trichloroethene	<1.0	ug/L	08/30/1993	8240 (1)
Vinyl acetate	<50.0	ug/L	08/30/1993	8240 (1)
Vinyl chloride	<10.0	ug/L	08/30/1993	8240 (1)
Xylenes, total	<1.0	ug/L	08/30/1993	8240 (1)

NET Midwest, Bartlett Division

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in the results column indicates the analyte was not detected at or above the reported value.
mg/L	:	Concentration in units of milligrams of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per million (ppm).
ug/g	:	Concentration in units of micrograms of analyte per gram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per million (ppm) or mg/Kg.
ug/L	:	Concentration in units of micrograms of analyte per liter of sample. Measurement used for aqueous samples. Can also be expressed as parts per billion (ppb).
ug/Kg	:	Concentration in units of micrograms of analyte per kilogram of sample. Measurement used for non-aqueous samples. Can also be expressed as parts per billion (ppb).
B	:	Sample result flag indicating that the analyte was also found in the method blank analysis. The value after the B indicates the concentration found in the blank analysis.
E	:	Sample result flag indicating that the reported concentration exceeds the linear range of the instrument for that specific analysis and should be considered estimated.
TCLP	:	These initials appearing in front of an analyte name indicate that the Toxicity Characteristic Leaching Procedure (TCLP) was performed for this test.
%	:	Percent; To convert ppm to %, divide the result by 10,000. To convert % to ppm, multiply the result by 10,000.
Dry Weight	:	When indicated, the results are reported on a dry weight basis. The contribution of the moisture content in the sample is subtracted when calculating the concentration of the analyte.
ICP	:	Indicates analysis was performed using Inductively Coupled Plasma Spectroscopy.
AA	:	Indicates analysis was performed using Atomic Absorption Spectroscopy.
GFAA	:	Indicates analysis was performed using Graphite Furnace Atomic Absorption Spectroscopy.
PQL	:	Practical Quantitation Limit; the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

Method References

(1) Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", USEPA SW-846, 3rd Edition, 1986.

(2) ASTM "American Society for Testing Materials

(3) Methods 100 through 499: see "Methods for Chemical Analysis of Water and Wastes", USEPA, 600/4-79-020, Rev. 1983.

(4) See "Standard Methods for the Examination of Water and Wastewater", 17th Ed, APHA, 1989.

(5) Methods 600 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants", USEPA Federal Register Vol. 49 No. 209, October 1984.

(6) Methods 500 through 599: see "Methods for the Determination of Organic Compounds in Drinking Water," USEPA 600/4-88/039, Rev. 1988.

NET NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY: Sir Hydrosearch Inc.
ADDRESS: 3334 Richmond Avenue, Suite 200
PHONE: (713) 520-7667 FAX: (713) 524-9866
PROJECT NAME/LOCATION: Dutch Boy Paint Plant Site
PROJECT NUMBER:
PROJECT MANAGER: D.A. Komarowski

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY
D.A. Komarowski (PRINT NAME) — [signature] (SIGNATURE)
(PRINT NAME) — (SIGNATURE)

ANALYSES: TCL Volatiles; TCL Semi Volatiles; TAL Metals; Cyanides

DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# OF CONTAINERS TYPE	MATRIX	PRESERVED Y/N	TCL Volatiles	TCL Semi Volatiles	TAL Metals	Cyanides						COMMENTS
8/26	12 pm	BW	X		8 GL (6)	Water	Y/6	X	X	X	X						

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO   FIELD FILTERED? YES / NO   COC SEALS PRESENT AND INTACT? YES / NO   VOLATILES FREE OF HEADSPACE? YES / NO   TEMPERATURE UPON RECEIPT:

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA ____
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS ____ DATE ____

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED FOR NET BY:
[signature]	8/26. 3:50 pm				[signature] Holland 8/26/93 3:50

METHOD OF SHIPMENT:
REMARKS:

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK

mccrone environmental services, inc.
850 PASQUINELLI DRIVE
WESTMONT, ILLINOIS 60559-1275 • 708-887-7100

3 September 1993

Ms. Lou Denison
National Environmental Testing, Inc.
Bartlett Division
850 West Bartlett Road
Bartlett, IL 60103

Subject: Analyses of Water Samples for Asbestos by Transmission Electron Microscopy (TEM)

Re: McCrone Project No. IL-2213
NET P.O. #2-15216

Dear Ms. Denison:

McCrone Environmental Services, Inc. has completed the analysis of one (1) water sample we received from your office on 31 August 1993.

The sample was prepared and analyzed following the procedures outlined in the EPA document No. 600/4-83-043 entitled "Analytical Method for Determination of Asbestos Fibers in Water (1983)" with the exception that only asbestos structures were counted.

Chrysotile asbestos fibers less than 10.0 micrometers (μm) in length were detected in the sample. According to the methodology used, only chrysotile identification by selected area electron diffraction (SAED) and composition by quantitative energy-dispersive x-ray spectroscopy (EDS) were used in calculating the total concentrations.

Figure 1 show a typical chrysotile asbestos fiber detected in the sample. The results are attached and a summary, in tabular form, is provided for your convenience.

Thank you or consulting McCrone Environmental Services, Inc. If there are any questions concerning these results, please contact our office.

Sincerely,

John R. Roth
Electron Microscopist

JRR:lrd
Enclosure

Summary of Results

Transmission Electron Microscopy (TEM) Analytical Data

McCrone Environmental Services, Inc.
Westmont, Illinois

McCrone Project No: IL-2213

Project Name: National Environmental Testing, Inc. - Bartlett Division

Client Sample ID #	Laboratory ID #	Total Asbestos Fibers Counted[1]	Fibers >10 μm Long[2]	Million Structures Per Liter (>10 μm long)			
				Analytical[3] Sensitivity	Total	Upper 95% Confidence Limit	Lower 95% Confidence Limit
226730	930831201-1	12	0	0.345	<0.345	1.27	<0.345

1. Both Chrysotile and Amphibole Asbestos are combined, if present.

2. EPA Maximum Contamination Level (MCL) for asbestos is set at seven million fibers per liter (7MF/L). This MCL for asbestos includes only fibers greater than 10 micrometers in length (>10 μm).

3. Analytical Sensitivity - Detection Limit

McCRONE ENVIRONMENTAL SERVICES, INC.
850 PASQUINELLI DRIVE
WESTMONT, IL 60559

Water Sample TEM Analysis

Project Number: IL-2213 Lab Sample: IL-2213-1
McCrone Sample I.D.: 930831201-1
Project Name: NATIONAL ENVIRONMENTAL TESTING, INC.

Sampling Parameters

Sample I.D./Location: 226730/ NET JOB # 93.07659
COLLECTED 8/26/93 12:00
Prepared Volume (milliliters): 2

Analysis Parameters

Magnification: 9950 x
Date Analyzed: 9/2/93
Number of Grid Openings Counted: 45
Analyst: JRR
Average Grid Opening Area (square micrometers): 8400
Effective Filter Area (square millimeters): 261
Analyst's Comments: JEOL 200CX,200KeV,CHRYSOTILE PRESENT,SAED 6734-6736

Summary of Results

	Chrysotile	Amphibole	Combined
Fibers	12	0	12
Bundles	0	0	0
Matrices	0	0	0
Clusters	0	0	0
Total Structures	12	0	12

Analytical Sensitivity (struct./square millimeter of filter):	2.6
Total Asbestos Concentration (struct./square millimeter of filter):	31.7
Analytical Sensitivity (million struct./liter of water):	0.345
Total Asbestos Concentration (million struct./liter of water):	4.143

Chrysotile Statistical Summary

	Mean	Standard Deviation	Maximum	Minimum
Length (micrometers)	4.73	1.88	8.54	3.02
Width (micrometers)	0.14	0.08	0.30	0.10
Aspect Ratio	38.64	18.34	85.00	10.00

Chrysotile Distribution Tables

Distribution by Length

Length (micrometers)	Number of Fibers	Percent	Cumulative Percent
0.0 to 0.5	0	0.00	0.00
0.5 to 5.0	7	58.33	58.33
5.0 to 10.0	5	41.67	100.00
Greater than 10.0	0	0.00	100.00

Distribution by Width

Width (micrometers)	Number of Fibers	Percent	Cumulative Percent
Less than 0.25	10	83.33	83.33
Greater than 0.25	2	16.67	100.00

Distribution by Aspect Ratio

Aspect Ratio	Number of Fibers	Percent	Cumulative Percent
Less than 3.0	0	0.00	0.00
3.0 to 5.0	0	0.00	0.00
5.0 to 10.0	1	8.33	8.33
Greater than 10.0	11	91.67	100.00

Individual Structure Measurements

Feature	Grid open.	Structure	Type	Length (micrometers)	Width	Aspect Ratio	ED	XR
1	7	Fiber	chrysotile	3.02	0.10	30.0	Y	Y
2	10	Fiber	chrysotile	3.02	0.30	10.0	Y	Y
3	11	Fiber	chrysotile	8.54	0.10	85.0	Y	
4	14	Fiber	chrysotile	4.02	0.10	40.0	Y	
5	18	Fiber	chrysotile	4.02	0.10	40.0	Y	
6	20	Fiber	chrysotile	5.03	0.10	50.0	Y	
7	24	Fiber	chrysotile	3.62	0.10	36.0	Y	
8	27	Fiber	chrysotile	5.23	0.10	52.0	Y	
9	33	Fiber	chrysotile	3.62	0.10	36.0	Y	
10	35	Fiber	chrysotile	3.02	0.10	30.0	Y	
11	39	Fiber	chrysotile	8.04	0.30	26.7	Y	Y
12	40	Fiber	chrysotile	5.63	0.20	28.0	Y	

A "Y" in the XR or ED columns indicates that Energy Dispersive X-ray Analysis (XR) and/or Selected Area Electron Diffraction Analysis (ED) were utilized to verify the identity of the structure.

FIGURE 1
TEM photomicrograph of a chrysotile fiber typical of those detected in sample 226730. Magnification 10,000X, 1cm = 1 μm.

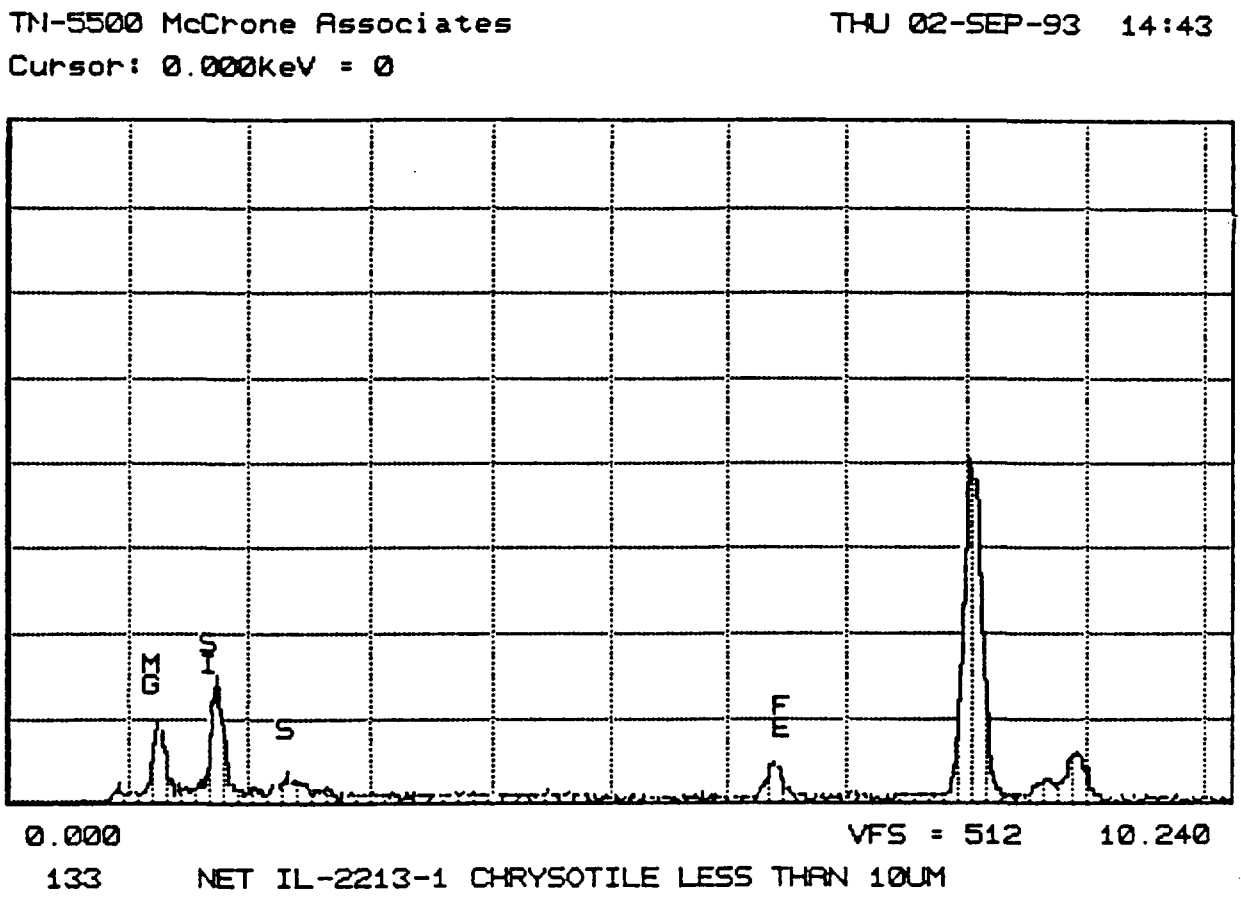

FIGURE 2
EDX spectrum of the chrysotile fiber shown in Figure 1.

NET NATIONAL ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY Simon Hydro Search Inc
ADDRESS 3334 Richmond Ave, Suite 200
PHONE (713)520-7667 FAX (713)524-9866
PROJECT NAME/LOCATION Dutch Bog Paint Plant Site
PROJECT NUMBER
PROJECT MANAGER Dr. Romanowski

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY
Dr. Romanowski (PRINT NAME) [signature] SIGNATURE
(PRINT NAME) SIGNATURE

DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# OF CONTAINERS TYPE	MATRIX	PRESERVED Y/N	ANALYSES: PCB'S TOS	COMMENTS
8/26	12^00	BW	X		3 GL	WATER	Y		HOLD FOR DIRECTIONS [initials]

8/26/93 — Hold per client they will call 8/27/93 w/ specifications. MTH 8/26/93

Per Arleen Arone go ahead and send out and charge $450.00 MTH 8/30/93.

Taken off Hold per Debra R. DW 8/27/93

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO FIELD FILTERED? YES / NO COC SEALS PRESENT AND INTACT? YES / NO VOLATILES FREE OF HEADSPACE? YES / NO TEMPERATURE UPON RECEIPT: ______

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA ______
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS ______ DATE ______

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED FOR NET BY:
[signature]	8/26/93				Marissa T. Holland 8/26/93

METHOD OF SHIPMENT

REMARKS:

PT 1 ORIGINAL WHITE PT 2 NET PROJECT MANAGER YELLOW PT 3 CUSTOMER COPY PINK

APPENDIX G

Laboratory Report
Organics in Soil

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226739

NET Job No.: 93.07660

Sample Description: 12-1.52; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 13:40
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Solids, Total	72.0	%	09/07/1993	2540 (4)
TPH (IR)	33,333	ug/g	09/02/1993	418.1 (3)
VOLATILES - 8240 NONAQUEOUS				
Acetone	<7,000	ug/Kg	08/31/1993	8240 (1)
Benzene	<350	ug/Kg	08/31/1993	8240 (1)
Bromodichloromethane	<350	ug/Kg	08/31/1993	8240 (1)
Bromoform	<350	ug/Kg	08/31/1993	8240 (1)
Bromomethane	<700	ug/Kg	08/31/1993	8240 (1)
2-Butanone (MEK)	<7,000	ug/Kg	08/31/1993	8240 (1)
Carbon disulfide	<7,000	ug/Kg	08/31/1993	8240 (1)
Carbon tetrachloride	<350	ug/Kg	08/31/1993	8240 (1)
Chlorobenzene	<350	ug/Kg	08/31/1993	8240 (1)
Chloroethane	<700	ug/Kg	08/31/1993	8240 (1)
2-Chloroethylvinyl ether	<700	ug/Kg	08/31/1993	8240 (1)
Chloroform	<350	ug/Kg	08/31/1993	8240 (1)
Chloromethane	<700	ug/Kg	08/31/1993	8240 (1)
Dibromochloromethane	<350	ug/Kg	08/31/1993	8240 (1)
1,2-Dichlorobenzene	<350	ug/Kg	08/31/1993	8240 (1)
1,3-Dichlorobenzene	<350	ug/Kg	08/31/1993	8240 (1)
1,4-Dichlorobenzene	<350	ug/Kg	08/31/1993	8240 (1)
1,1-Dichloroethane	<350	ug/Kg	08/31/1993	8240 (1)
1,2-Dichloroethane	<350	ug/Kg	08/31/1993	8240 (1)
1,1-Dichloroethene	<350	ug/Kg	08/31/1993	8240 (1)
trans-1,2-Dichloroethene	<350	ug/Kg	08/31/1993	8240 (1)
cis-1,2-Dichloroethene	<350	ug/Kg	08/31/1993	8240 (1)
1,2-Dichloropropane	<350	ug/Kg	08/31/1993	8240 (1)
cis-1,3-Dichloropropene	<350	ug/Kg	08/31/1993	8240 (1)
trans-1,3-Dichloropropene	<350	ug/Kg	08/31/1993	8240 (1)
Ethyl benzene	23,000	ug/Kg	08/31/1993	8240 (1)

NET ...TIC... ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY RECORD

COMPANY: SIMON HYDRO SEARCH INC.
ADDRESS: 3334 RICHMOND AVENUE, SUITE 200, HOUSTON
PHONE: (713) 520-7667 FAX: (713) 524-9866
PROJECT NAME/LOCATION: DUTCH BOY PAINT PLANT SITE
PROJECT NUMBER:
PROJECT MANAGER: DEBORAH A. ROMANOWSKI

REPORT TO:
INVOICE TO:
P.O. NO.
NET QUOTE NO.

SAMPLED BY (PRINT NAME): DEBORAH A. ROMANOWSKI
SIGNATURE:
(PRINT NAME): KILEEN ADAMS
SIGNATURE:

DATE	TIME	SAMPLE ID/DESCRIPTION	GRAB	COMP	# OF CONTAINERS TYPE	MATRIX	PRESERVED Y/N	ANALYSES: TCLP LEAD	TOTAL LEAD	TPH (418.1)	8240 VOAS	COMMENTS
8/25	10:45 AM	S29P-01	X		16	SOIL	Y	X	X			
8/25	11:02 AM	S29P-12	X		16	SOIL	Y	X	X			
8/25	11:15 AM	33-01	X		16	SOIL	Y	X	X			
8/25	11:27 AM	33-12	X		16	SOIL	Y	X	X			
8/25	11:40 AM	W26P-01	X		16	SOIL	Y	X	X			HOLD UNTIL FURTHER NOTICE
8/25	12:52 PM	1214-01	X		16	SOIL	Y	X	X			Taken off Hold per Debra R. 10/3/27
8/25	1:10 PM	12-01	X		16	SOIL	Y	X	X			
8/25	1:15 PM	12-11.5	X		16	SOIL	Y	X	X			
8/25	1:40 PM	12-1.52	X		16	SOIL	Y			X	X	
8/25	2:15 PM	1211-01	X		16	SOIL	Y	X	X			
8/25	2:35 PM	1211-12	X		16	SOIL	Y	X	X	X	X	
8/25	3:50 PM	11-01	X		16	SOIL	Y	X	X			

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO
COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO
TEMPERATURE UPON RECEIPT:

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA Notify client of any charges
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS DATE 90 days

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:	RELINQUISHED BY:	DATE/TIME	RECEIVED FOR NET BY:
	8/25/92 7:12 PM			8/25/92 7:12 p.m.	

METHOD OF SHIPMENT

REMARKS:

PT.1 - ORIGINAL - WHITE PT.2 - NET PROJECT MANAGER - YELLOW PT.3 - CUSTOMER COPY - PINK

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
Tel: (708) 289-3100
Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226739

NET Job No.: 93.07660

Sample Description: 12-1.52; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 13:40
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results		Units	Date of Analysis	Analytical Method
2-Hexanone	<3,500		ug/Kg	08/31/1993	8240 (1)
Methylene chloride	3,000	B=7.0	ug/Kg	08/31/1993	8240 (1)
4-Methyl-2-pentanone (MIBK)	<3,500		ug/Kg	08/31/1993	8240 (1)
Styrene	<350		ug/Kg	08/31/1993	8240 (1)
1,1,2,2-Tetrachloroethane	<350		ug/Kg	08/31/1993	8240 (1)
Tetrachloroethene	<350		ug/Kg	08/31/1993	8240 (1)
Toluene	<350		ug/Kg	08/31/1993	8240 (1)
1,1,1-Trichloroethane	<350		ug/Kg	08/31/1993	8240 (1)
1,1,2-Trichloroethane	<350		ug/Kg	08/31/1993	8240 (1)
Trichloroethene	<350		ug/Kg	08/31/1993	8240 (1)
Vinyl acetate	<3,500		ug/Kg	08/31/1993	8240 (1)
Vinyl chloride	<700		ug/Kg	08/31/1993	8240 (1)
Xylenes, Total	31,000		ug/Kg	08/31/1993	8240 (1)

B : Analyte was also found in the method blank analysis.

NATIONAL ENVIRONMENTAL TESTING, INC.

Bartlett Division
850 W. Bartlett Rd.
Bartlett, IL 60103
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Fax: (708) 289-5445

ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226741

NET Job No.: 93.07660

Sample Description: 1211-12; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 14:25
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results	Units	Date of Analysis	Analytical Method
Solids, Total	83.3	%	09/07/1993	2540 (4)
TPH (IR)	1,681	ug/g	09/02/1993	418.1 (3)
Lead, ICP	14,200	ug/g	09/07/1993	6010 (1)
TCLP-Lead, ICP	212	mg/L	09/07/1993	6010 (1)
VOLATILES - 8240 NONAQUEOUS				
Acetone	<100.	ug/Kg	08/30/1993	8240 (1)
Benzene	<5.0	ug/Kg	08/30/1993	8240 (1)
Bromodichloromethane	<5.0	ug/Kg	08/30/1993	8240 (1)
Bromoform	<5.0	ug/Kg	08/30/1993	8240 (1)
Bromomethane	<10.	ug/Kg	08/30/1993	8240 (1)
2-Butanone (MEK)	<100.	ug/Kg	08/30/1993	8240 (1)
Carbon disulfide	<100.	ug/Kg	08/30/1993	8240 (1)
Carbon tetrachloride	<5.0	ug/Kg	08/30/1993	8240 (1)
Chlorobenzene	<5.0	ug/Kg	08/30/1993	8240 (1)
Chloroethane	<10.	ug/Kg	08/30/1993	8240 (1)
2-Chloroethylvinyl ether	<10.	ug/Kg	08/30/1993	8240 (1)
Chloroform	<5.0	ug/Kg	08/30/1993	8240 (1)
Chloromethane	<10.	ug/Kg	08/30/1993	8240 (1)
Dibromochloromethane	<5.0	ug/Kg	08/30/1993	8240 (1)
1,2-Dichlorobenzene	<5.0	ug/Kg	08/30/1993	8240 (1)
1,3-Dichlorobenzene	<5.0	ug/Kg	08/30/1993	8240 (1)
1,4-Dichlorobenzene	<5.0	ug/Kg	08/30/1993	8240 (1)
1,1-Dichloroethane	<5.0	ug/Kg	08/30/1993	8240 (1)
1,2-Dichloroethane	<5.0	ug/Kg	08/30/1993	8240 (1)
1,1-Dichloroethene	<5.0	ug/Kg	08/30/1993	8240 (1)
trans-1,2-Dichloroethene	<5.0	ug/Kg	08/30/1993	8240 (1)
cis-1,2-Dichloroethene	<5.0	ug/Kg	08/30/1993	8240 (1)
1,2-Dichloropropane	<5.0	ug/Kg	08/30/1993	8240 (1)
cis-1,3-Dichloropropene	<5.0	ug/Kg	08/30/1993	8240 (1)

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850 W. Bartlett Rd.
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ANALYTICAL REPORT

Ms. Deborah Romanowski
SIMON HYDROSEARCH
3334 Richmond Avenue
Suite 200
Houston, TX 77098

09/09/1993

Sample No. : 226741

NET Job No.: 93.07660

Sample Description: 1211-12; Soil
Dutch Boy Paint Plant Site

Date Taken: 08/25/1993
Time Taken: 14:25
IEPA Cert. No. 100221

Date Received: 08/25/1993
Time Received: 19:12
WDNR Cert. No. 999447130

Parameter	Results		Units	Date of Analysis	Analytical Method
trans-1,3-Dichloropropene	<5.0		ug/Kg	08/30/1993	8240 (1)
Ethyl benzene	<5.0		ug/Kg	08/30/1993	8240 (1)
2-Hexanone	<50.		ug/Kg	08/30/1993	8240 (1)
Methylene chloride	14.4	B=5.7	ug/Kg	08/30/1993	8240 (1)
4-Methyl-2-pentanone (MIBK)	<50.		ug/Kg	08/30/1993	8240 (1)
Styrene	<5.0		ug/Kg	08/30/1993	8240 (1)
1,1,2,2-Tetrachloroethane	<5.0		ug/Kg	08/30/1993	8240 (1)
Tetrachloroethene	<5.0		ug/Kg	08/30/1993	8240 (1)
Toluene	<5.0		ug/Kg	08/30/1993	8240 (1)
1,1,1-Trichloroethane	<5.0		ug/Kg	08/30/1993	8240 (1)
1,1,2-Trichloroethane	<5.0		ug/Kg	08/30/1993	8240 (1)
Trichloroethene	<5.0		ug/Kg	08/30/1993	8240 (1)
Vinyl acetate	<50.		ug/Kg	08/30/1993	8240 (1)
Vinyl chloride	<10.		ug/Kg	08/30/1993	8240 (1)
Xylenes, Total	<5.0		ug/Kg	08/30/1993	8240 (1)

B : Analyte was also found in the method blank analysis.